

DVV Clarification

1.3.2.: Percentage of students undertaking project work/field work/internships (data for the latest complete academic year)

DVV Query

- 1.3.2 1) Provide List of students along with the details of Title, Place of Work, and Duration etc.
- 1.3.2 2) Provide Internship completion certificate /Project work completion certificate from the organization where internship /project work completed.
- 1.3.2 3) Provide Link to report of the Field work /Sample Photographs of the Field works /Permission letter only for field work from the competent authority

College Response

- 1.3.2 1) List of students along with the details of Title, Place of Work, and Duration etc. has been given in uploaded file.
- 1.3.2 2) Internship completion certificate /Project work completion certificate from the organization where internship /project work completed has been given in uploaded file.
- 1.3.2 3) Link to report of the Field work /Sample Photographs of the Field works /Permission letter only for field work from the competent authority has been provided in below table.





Criterion no.1.3.2 Percentage of students undertaking project work/field work/internships (Data for the latest complete academic year)

INDEX

DVV CLARIFICATION

SR.NO	DVV	DETAILS	DOCUMENT LINK
DVV 1.3.2 - 1)	List of students along with the details of Title, Place of Work, Duration etc.		View Documents
DVV 1.3.2 - 2)	Internship completion certificate /Project work completion certificate from	M. Pharm Second Year Research Project work.	View Documents
	the organization where internship /project work completed.	B. Pharm Final Year Project Work.	<u>View Documents</u>
		Fifth Year Pharm D Project Work.	View Documents
		First Year B. Pharm Environment Science Project Work.	View Documents
DVV 1.3.2 - 3)	Link to report of the Field work /Sample Photographs of the Field works /Permission letter only for	Third Year B. Pharm Industrial Visit to Haffkine Bio- Pharmaceutical LTD.	View Documents
	field work from the competent authority	Second Year B.Pharm Botanical Garden Visit to Empress Botanical Garden, Pune.	View Documents
		Fourth Year Pharm-D Industrial Visit at Bio- Radius Therapeutics Research.	View Documents





DVV CLARIFICATION

Criterion no.1.3.2 Percentage of students undertaking project work/field work/internships (Data for the latest complete academic year)

	INDEX				
SR. NO	PARTICULARS	REPORTS OF THE PROJECT/FIELD VISITS/INTERNSHIPS	NUMBER OF STUDENTS		
	PROJECT WORK				
1)	Second Year M. Pharm Research Project/Thesis	View Documents	60		
2)	Final Year B. Pharm Project Work	View Documents	124		
3)	Fifth Year Pharm-D Research Project Work	View Documents	36		
4)	First Year B. Pharm Environmental Science Project	View Documents	112		
	FIELI	O WORK			
5)	Third Year B. Pharm Industrial Visit to Haffkine Bio-Pharmaceutical LTD	View Documents	111		
6)	Second Year B. Pharm Botanical Garden Visit	View Documents	60		
7)	Fourth Year Pharm-D Industrial Visit at Bio-radius Therapeutics Research	View Documents	32		
Tot	Total Number of Students Undertaking Project Work/ Field Work/Internships				
	Total Number of Students	in A.Y 2022-23	776		
Total	Percentage of Students Undert Work/Interns		68.94%		





List of Students along with details

SR NO	LIST OF STUDENTS /NAMES	TITLE	PLACE OF WORK	DURATION
1.	Agarkar Samiksha Surendra	Identification and Characterization of D-Limonene and Rosmarinic acid by HPTLC Analysis of Black caraway oil with Antioxidant and antibacterial activities.	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
2.	Auti Mayuri Kashinath	Formulation and characterization of micro capsulated neem and castor oil in ant aging cream	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
3.	Bambale Prerana Ganesh	A comparative study of green synthesis, characterization and Anti-microbial activity of ZnO, Cu and AgNO3, Nanoparticles of sunflower honey.	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
4.	Chattar Harshada Jitendra	Development of Poly herbal Anti- Dandruff Hair Shampoos	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
5.	Chaudhari Shivam Anil	Development & Validation of High Performance Thin Layer chromatography method for estimation of Pioglitazone in Bulk & Analytical marketed formulation By Green Approach.	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
6.	Gholap Abhijit Balasahyeb	Formulation and evaluation of ant aging ointment containing micro capsulated Turmeric and Jojoba oil.	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
7.	Humnabadkar Shubham Chandrakant	Analytical quality by design (QBD) approach for Development and validation of HPLC method for lopinavir: Application to Hydrolytic, Thermal,Oxidative and Photolytic Degradation Kinetics	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
8.	Jadhav Sidheshwar Lobhaji	Design and synthesis of surface engineered mesoporous nanoparticles foe assessment of anticancer activity of capacitabine	PES Modern College of Pharmacy, Nigdi Pune.	1 Year





9.			PES Modern	1 Year
7.	Jagtap Kedar Abhay	RP-HPLC Method Development & Validation of bulk & Pharmaceutical Dosage form	College of Pharmacy, Nigdi Pune.	1 1 Cai
10.	Kharate Vrushali Dattatraya	Development of validated Stability indicating HPTLC Method for estimation of Febuxostat in bulk and Tablet dosage Form by QBD approach.	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
11.	Niikalje Rushikesh Nitin	GC-MS and HPTLC Analysis of Hibiscus sabdariffa Linn. and its antimicrobial activity with formulated nanoparticles	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
12.	Patil Ankkita Pradeep	Design & Synthesis of fluorescent carbon Dots and their applications.	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
13.	Salunkhe Manisha Sanjay	Green Chemistry Approach to Analytical method development & Validation For estimation of Telmisartan by using Ultraviolet spectrophotometric & High Performance Thin Layer Chromatography	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
14.	Surryawanshi Pratiksha Mahade	Design, formulation and evaluation of polyherbal gel Formulation from Honey & Catharanthus-roseus flowers extracts for its wound Healing Activity	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
15.	Thete Dipali Sanjay	Identification and Quantification of potential genotoxic impurities from Rilpivirine Hydrochloride By Chromatographic Technique	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
16.	Wadgave Pooja Bandappa	Quantification and validation of sildenafil in bulk and dosage form by High performance thin layer chromatography, High performance liquid chromatography and UV Spectroscopy by using Hydrotropic Agents	PES Modern College of Pharmacy, Nigdi Pune.	1 Year
17.	Geeta Anil Anawade	Design, synthesis and evaluation of some MAO-B inhibitors as Anti-Alzheimer's agents.	PES Modern College of Pharmacy, Nigdi Pune.	1 Year





18.		Design, synthesis and evaluate	PES Modern	1 Year
10.		antioxidant, antibacterial and	College of	1 1 Cai
	Dnyaneshwari Ravindra			
	Chopade	antiinflammatory	Pharmacy, Nigdi	
	1	activity of some	Pune.	
		Luteolin derivatives.		
19.			PES Modern	1 Year
	Rutuja Udhav Gaikwad	Synthesis, purification, isolation and	College of	
	Kutuja Odnav Gaikwad	characterization of key	Pharmacy, Nigdi	
		Impurities of Metoprolol.	Pune.	
20.		Design and synthesis of novel	PES Modern	1 Year
		pyridopyrimidine derivatives as	College of	
	Shraddha Prakashrao	selective jak inhibitors in	Pharmacy, Nigdi	
	Gaikwad	antineoplastic activity. Second Year	Pune.	
			i unc.	
2.1		M.Pharm Research Project / Thesis	DEG 14 1	4.77
21.			PES Modern	1 Year
	Sahil Shyam Gawande	Design, synthesis and evaluation of	College of	
	Sami Sirjani Sawanac	quinoline derivatives as Anti-	Pharmacy, Nigdi	
		Cancer agents.	Pune.	
22.			PES Modern	1 Year
	Virendrakumar	Bile Acid Functionalized π -	College of	
	Madhukar Kamble	conjugated Derivatives: Synthesis	Pharmacy, Nigdi	
		& Biological evaluation.	Pune.	
23.		Constitution.	PES Modern	1 Year
۷٥.		Design, synthesis and evaluation of	College of	1 1 Cai
	Vaishnavi Sanjay Magar		_	
		di-hydro pyrimidinone derivatives	Pharmacy, Nigdi	
		As Anti-Cancer agents.	Pune.	
24.			PES Modern	1 Year
	Sneha Nandkumar	Synthesis, Purification and	College of	
	Rashinkar	characterization of some impurities	Pharmacy, Nigdi	
		Of Bisoprolol.	Pune.	
25.			PES Modern	1 Year
	,	Design, synthesis and evaluation of	College of	
	Asavari Ramesh Shinde	some NMDA receptor antagonists	Pharmacy, Nigdi	
		As Anti-Alzheimer's agents.	Pune.	
26.			PES Modern	1 Year
20.	Namrata Narsingrao	Design, synthesis and evaluation of	College of	1 1 0 01
	Shinde	some GSK- 3 Beta inhibitors as		
	Similae		Pharmacy, Nigdi	
27		Anti-Alzheimer's agents.	Pune.	1 37
27.			PES Modern	1 Year
	Sanket Rajendra Shirsath	Design, synthesis and evaluation of	College of	
	Zamet Rajonara Dinibatii	some BACE-1 inhibitors as Anti-	Pharmacy, Nigdi	
		Alzheimer's agents.	Pune.	
28.		Design, synthesis and evaluate	PES Modern	1 Year
	M: D1	antioxidant, antibacterial and	College of	
	Mayuri Bharat	antiinflammatory	Pharmacy, Nigdi	
	Suryawanshi	activity of some	Pune.	
		Apigenin derivatives.	2 01101	
		Apigeiiii derivatives.		





29.		Design, Synthesis and Biological	PES Modern	1 Year
29.	Dadhila Campath			1 1 Cai
	Radhika Somnath	Evaluation of some	College of	
	Vyavahare	naphthoquinone derivatives as	Pharmacy, Nigdi	
		Anti-Alzheimer agents	Pune.	
30.			PES Modern	1 Year
	Pradnya Sangram	Synthesis, purification and	College of	
	Waghmare	characterization of some impurities	Pharmacy, Nigdi	
		Of propranolol.	Pune.	
31.			PES Modern	1 Year
		Formulation and evaluation of herbal	College of	
	Akhote Ashwini	anti-oxidant for chronic disease	Pharmacy, Nigdi	
		treatment	Pune.	
32.		treatment	PES Modern	1 Year
32.				1 Year
	Biradar Shilpa	Formulation and evaluation of Dual	College of	
		drug loaded polymeric mixed micelles	Pharmacy, Nigdi	
		For anti-diabetic treatment.	Pune.	
33.			PES Modern	1 Year
	Diraidar Alrahada	Formulation and evaluation of dosage	College of	
	Birajdar Akshada	form of drug based on hot metal	Pharmacy, Nigdi	
		extrusion process	Pune.	
34.		r	PES Modern	1 Year
31.			College of	1 Tour
	Borbane Mayuri	Crystal Engineering: Development of		
			Pharmacy, Nigdi	
25		Pharmaceutical crystal of Ritonavir.	Pune.	1 37
35.			PES Modern	1 Year
	Garhwani Yogish	Formulation and evaluation of	College of	
		Rilpivirine loaded solid lipid nano	Pharmacy, Nigdi	
		particles (SLn)	Pune.	
36.			PES Modern	1 Year
	Codbboulo Ament	Formulation and evaluation of directly	College of	
	Godbharle Amrut	compressed polyherbal anthelmintic	Pharmacy, Nigdi	
		Tablet.	Pune.	
37.		Crystal Engineering: Co-	PES Modern	1 Year
		Crystallization approach for Ritonavir	College of	
	Khorde Rushikesh	to improve	Pharmacy, Nigdi	
		-		
20		Solubility.	Pune.	1 V ::
38.			PES Modern	1 Year
	Mahangade Aishwarya	Formulation and evaluation of	College of	
		Spray with calcium	Pharmacy, Nigdi	
		phosphate nanoparticles	Pune.	
39.			PES Modern	1 Year
	Mahaian Ca		College of	
	Mahajan Gaurav	Some Studies on exploring potential of	Pharmacy, Nigdi	
		zeolites as a drug delivery carrier	Pune.	
40.		2501100 as a drug delivery current	PES Modern	1 Year
10.				1 1 Cai
	Maske Rutuja	Formulation and analysis C.C.	College of	
	j	Formulation and evaluation of Co-	Pharmacy, Nigdi	
		Crystals of Efavirenz	Pune.	





41.			PES Modern	1 Year
41.		Formulation and Changetonization of		1 1 Cai
	Phalke Tushar	Formulation and Characterization of	College of	
		fast dissolving oral film of	Pharmacy, Nigdi	
		prochlorperazine maleate	Pune.	
42.			PES Modern	1 Year
	Pote Priyanka	Formulation and evaluation of dual	College of	
	1 ote i fryanka	drug loaded polymeric mixed micelles	Pharmacy, Nigdi	
		for Anti-epileptic treatment	Pune.	
43.		Formulation and evaluation of	PES Modern	1 Year
	m: 11 ** 1 1	Etoricoxib self-micro emulsifying	College of	
	Tidke Yashoda	mouth dissolving films (SMMDF) for	Pharmacy, Nigdi	
		periodontal diseases	Pune.	
44.		periodolitar diseases	PES Modern	1 Year
77.		Formulation development and	College of	1 Tour
	Wable Apurva	evaluation of Darifenacin Hydro	_	
			Pharmacy, Nigdi	
4.5		bromide nanoemulsion	Pune.	1 37
45.		Development and Evaluation of	PES Modern	1 Year
	Wani Darshana	Selenium and Climbazole nanoparticle	College of	
		laden Hydrogel for Seborrheic	Pharmacy, Nigdi	
		Dermatitis / Sebopsoriasis.	Pune.	
46.			PES Modern	1 Year
	Wankhede Shefali		College of	
	wanknede Sheran	Formulation and evaluation of liquid	Pharmacy, Nigdi	
		suppository Dosage form	Pune.	
47.		Evaluation of Gel of Carica papaya	PES Modern	1 Year
		Latex And Boerhevia diffusa Linn. for	College of	
	Akansha Amritkar	wound healing activity in	Pharmacy, Nigdi	
		experimental animals	Pune.	
48.		Evaluation of nephroprotective	PES Modern	1 Year
70.		potential of Ethyl acetate fraction of	College of	1 Tour
	Pranali Bhandare	Punica granatum leaves in 5-	Pharmacy, Nigdi	
	Tanan Bhandare		•	
		flourouracil induced nephrotoxicity in	Pune.	
40		experimental animals.	DEC M 1	1 37
49.		Evaluation of Anti-hemorrhoidal	PES Modern	1 Year
		Activity of ointment formulation	College of	
	Abhijit Deshmukh	prepared from ethanolic extract of	Pharmacy, Nigdi	
	. J	Tagetus Erecta flower in croton oil	Pune.	
		induced hemorrhoids in experimental		
		animal.		
50.		Evaluation of nephroprotective	PES Modern	1 Year
		potential of ethyl acetate fraction of	College of	
	Gayatri Gadekar	acacia catechu leaves in 5-fluorouracil	Pharmacy, Nigdi	
	-	induced nephrotoxicity in	Pune.	
		experimental animals.		
51.		Evaluation of electric stimulation in	PES Modern	1 Year
		wound healing activity using hydrogel	College of	1 1001
	Vinod Gaikwad	containing Arginine and	Pharmacy, Nigdi	
		containing raiginine and		
			Pune.	





		Proanthocyanidin in experimental		
52.		animals. To study anti-atherosclerotic activity	PES Modern	1 Year
02.		of ethanolic extracts of <i>Peltophorum</i>	College of	
	Pratiksha Hajare	pterocarpum Linn. stem bark and	Pharmacy, Nigdi	
		syzygium cumini DC leaves in	Pune.	
		experimental animals		
53.		Evaluation of anti-arthritic activity of	PES Modern	1 Year
	Dhanashri Katkar	ethyl acetate fraction of <i>Tectona</i>	College of	
		grandis Linn. Seeds in FCA-induced	Pharmacy, Nigdi	
<i>5.4</i>		arthritis in experimental animals.	Pune.	1.37
54.		Evaluation of anti-hemorrhoidal	PES Modern	1 Year
		activity of ointment formulation	College of	
	Pradnya Khelbude	prepared from ethanolic extract of	Pharmacy, Nigdi	
	•	Punica granatum peels in croton oil	Pune.	
		induced hemorrhoids in experimental animals.		
55.		Ameliorative effect of <i>Abutilon</i>	PES Modern	1 Year
33.		indicum leaves on liver steatosis in	College of	1 Teal
	Mohsin Mansoori	high fructose induced insulin	Pharmacy, Nigdi	
		resistance in experimental animals.	Pune.	
56.		Evaluation of ethyl acetate fraction of	PES Modern	1 Year
		Dendrophthoe Falcata Linn. Leaves	College of	
	Kajal Pawade	on the FCA- induced arthritis using	Pharmacy, Nigdi	
	3	Exosomes as drug carrier in	Pune.	
		experimental animals.		
57.		Pharmacological evaluation of <i>Aegle</i>	PES Modern	1 Year
	Nikita Pawar	marmelos leaves on NAFLD in high	College of	
	Mikita I awai	fructose-induced insulin resistance in	Pharmacy, Nigdi	
		experimental animals.	Pune.	
58.		Evaluation of hydroethanolic extract	PES Modern	1 Year
	Ganesh Pore	of Musa paradisiaca Linn. Peel on	College of	
		suicide and trait related behaviors in	Pharmacy, Nigdi	
50		experimental animals.	Pune.	1 37
59.		Evaluation of hydroethanolic extract	PES Modern	1 Year
	Surabhi Shinde	of Tagetes Erecta flowers on suicide	College of	
		and trait related behaviors in	Pharmacy, Nigdi Pune.	
60.		experimental rats. Evaluation of hydroethanolic extract	PES Modern	1 Year
00.		of <i>Portulaca oleracea</i> leaves on	College of	1 1 5 61
	Prajakta Tambe	suicide and traits related behaviors in	Pharmacy, Nigdi	
		wistar rats	Pune.	
61.		1,2200 1000	PES Modern	6 Month
J1.	D' 1 D 1	Development and evaluation of	College of	
	Dipak Deokar	Eugenol containing antimicrobial	Pharmacy, Nigdi	
		formulation	Pune.	





62.			PES Modern	6 Month
02.		Davidonment and avaluation of		O MOHUI
	Pranjali Inamdar	Development and evaluation of	College of	
	J	Eugenol containing antimicrobial	Pharmacy, Nigdi	
_		formulation	Pune.	
63.			PES Modern	6 Month
	Vaishnavi Magar	Development and evaluation of	College of	
	v aisimavi iviagai	Eugenol containing antimicrobial	Pharmacy, Nigdi	
		formulation	Pune.	
64.			PES Modern	6 Month
	D	Formulation and evaluation of herbal	College of	
	Dnyaneshwar Bemde	ointment for dermatophytic skin	Pharmacy, Nigdi	
		infection	Pune.	
65.		Formulation and evaluation of in-situ	PES Modern	6 Month
		niosomal gel of chloramphenicol	College of	
	Dnyaneshwari Chavan		Pharmacy, Nigdi	
			Pune.	
66.		Formulation and evaluation of in-situ	PES Modern	6 Month
00.		niosomal gel of chloramphenicol	College of	O IVIOIIIII
	Rohit Choudhary	mosomai gei oi emoramphemeoi	_	
	-		Pharmacy, Nigdi	
			Pune.	CM 4
67.		Formulation and evaluation of in-situ	PES Modern	6 Month
	Gaurav Karbhari	niosomal gel of chloramphenicol	College of	
	.		Pharmacy, Nigdi	
			Pune.	
68.		Preparation and evaluation of rectal	PES Modern	6 Month
	Kartik Gavali	dosage forms	College of	
	IXIIIIX GUVUII		Pharmacy, Nigdi	
			Pune.	
69.		Preparation and evaluation of rectal	PES Modern	6 Month
	Vojehnovi Ioncom	dosage forms	College of	
	Vaishnavi Jangam		Pharmacy, Nigdi	
			Pune.	
70.		Preparation and evaluation of rectal	PES Modern	6 Month
	D	dosage forms	College of	
	Rutuja Mane		Pharmacy, Nigdi	
			Pune.	
71.		Development of Ritonavir co-crystals	PES Modern	6 Month
, 1.		20.010pinont of Intonuvii co crystais	College of	O INIOIIIII
	Sanjana Dole		Pharmacy, Nigdi	
			Pune.	
72		Davidonment of Ditensiving an amustale	PES Modern	6 Month
72.		Development of Ritonavir co-crystals		O MOHUI
	Ruchika Gupta		College of	
	1		Pharmacy, Nigdi	
			1. 13	İ
			Pune.	_
73.			PES Modern	6 Month
73.	Manali Maigaonkar		PES Modern College of	6 Month
73.	Manali Majgaonkar	Development of Ritonavir co-crystals	PES Modern	6 Month





7.4		Enmylation Characterization and	DEC Modern	6 Month
74.		Formulation, Characterization and	PES Modern	6 Month
	Harshal Bhakare	Wound Healing Activity of Guar gum	College of	
		Hydrogel loaded with Honey Silver	Pharmacy, Nigdi	
		nanoparticles.	Pune.	
75.		Formulation, Characterization and	PES Modern	6 Month
	Vaishali Chitta	Wound Healing Activity of Guar gum	College of	
	v dishan Cintta	Hydrogel loaded with Honey Silver	Pharmacy, Nigdi	
		nanoparticles.	Pune.	
76.		Formulation, Characterization and	PES Modern	6 Month
	Vhushbaa Chaudham	Wound Healing Activity of Guar gum	College of	
	Khushboo Choudhary	Hydrogel loaded with Honey Silver	Pharmacy, Nigdi	
		nanoparticles.	Pune.	
77.		Development and evaluation of	PES Modern	6 Month
		antifungal topical cream including	College of	
	Kaveri Ganjure	climbazole and clotrimazole	Pharmacy, Nigdi	
			Pune.	
78.		Development and evaluation of	PES Modern	6 Month
, 0.		antifungal topical cream including	College of	o monu
	Srishti Jha	climbazole and clotrimazole	Pharmacy, Nigdi	
		chimoazoic and ciotimiazoic	Pune.	
79.		Development and evaluation of	PES Modern	6 Month
17.		antifungal topical cream including	College of	O MOUTH
	Tejaswini Basate	climbazole and clotrimazole	_	
	-	chimbazole and clothinazole	Pharmacy, Nigdi	
00			Pune.	CM 41
80.		Formulation and Evaluation of herbal	PES Modern	6 Month
	Devesh Chaudhari	dermal patches for dermatophytic skin	College of	
		infection	Pharmacy, Nigdi	
			Pune.	
81.		Formulation and Evaluation of herbal	PES Modern	6 Month
	Pawankumar Mare	dermal patches for dermatophytic skin	College of	
	I amaniculiar Marc	infection	Pharmacy, Nigdi	
			Pune.	
82.			PES Modern	6 Month
	Rameshwar Bhalke	Formulation and evaluation of tannin	College of	
	Nameshwai Dhaike	containing chewing gum for mouth	Pharmacy, Nigdi	
		ulcer	Pune.	
83.		Development and characterization of a	PES Modern	6 Month
	Alvahari Da -	novel anti-acne Niosomal Gel	College of	
	Akshay Deo		Pharmacy, Nigdi	
			Pune.	
84.		Development and characterization of a	PES Modern	6 Month
		novel anti-acne Niosomal Gel	College of	
	Shraddha Jadhav	10. Traini acite i (1000) ilai Ger	Pharmacy, Nigdi	
			Pune.	
85.		Formulation, evaluation and	PES Modern	6 Month
05.		comparison of the herbal shampoo		O IVIOIIIII
	Kaushal Gandhi	_	College of	
		with the commercial shampoos	Pharmacy, Nigdi	
1			Pune.	





86.		Formulation, evaluation and	PES Modern	6 Month
80.		comparison of the herbal shampoo	College of	O WIOIIII
	Nitesh Misal	with the commercial shampoos	_	
		with the commercial shampoos	Pharmacy, Nigdi Pune.	
07				C 3 / 1
87.		Synthesis of schiff bases from indole-	PES Modern	6 Month
	Sakshi Kudale	3-carbaldehyde	College of	
	Sansin Itadare		Pharmacy, Nigdi	
			Pune.	
88.		Synthesis of schiff bases from indole-	PES Modern	6 Month
	Alvahari Walion	3-carbaldehyde	College of	
	Akshay Kalyan		Pharmacy, Nigdi	
			Pune.	
89.		Synthesis of schiff bases from indole-	PES Modern	6 Month
		3-carbaldehyde	College of	
	Vimajji Goradwar	3 careardeny de	Pharmacy, Nigdi	
			Pune.	
90.			PES Modern	6 Month
90.				O MOUL
	Shravani Agalave	Cymthosic and characterically af	College of	
		Synthesis and charaterization of	Pharmacy, Nigdi	
		Fe3O4 nanoparticles	Pune.	(3.5.
91.			PES Modern	6 Month
	Truptee Banakar	Synthesis, characterization and	College of	
	Truptee Bunakar	applications of iron oxide	Pharmacy, Nigdi	
		nanoparticles.	Pune.	
92.			PES Modern	6 Month
	Aiory Dhonto		College of	
	Ajay Dhapte	Synthesis and evaluation of Iron oxide	Pharmacy, Nigdi	
		nanoparticles	Pune.	
93.		Develop and validate HPTLC method	PES Modern	6 Month
		for determination of Antidepressants	College of	
	Rahul Andhale	drug in bulk form	Pharmacy, Nigdi	
			Pune.	
94.		Develop and validate HPTLC method	PES Modern	6 Month
77.		for determination of Antidepressants	College of	O IVIOIIIII
	Shruti Bajare	_		
		drug in bulk form	Pharmacy, Nigdi	
05		Develop and sell to HDTLC at 1	Pune.	(M - 1
95.		Develop and validate HPTLC method	PES Modern	6 Month
	Sneha Hojage	for determination of Antidepressants	College of	
	J. O.	drug in bulk form	Pharmacy, Nigdi	
			Pune.	_
96.		"Extraction, Isolation And Evaluation	PES Modern	6 Month
	Tejas Anandkar	Of Lawsone From Lawsonia Inermis	College of	
	i Cjas Alialiukai	Extract And Marketed Formulation By	Pharmacy, Nigdi	
				1
		HPTLC"	Pune.	
97.		"Extraction, Isolation And Evaluation	Pune. PES Modern	6 Month
97.	al5.1	"Extraction, Isolation And Evaluation	PES Modern	6 Month
97.	Shivani Dighe			6 Month





98.		"Extraction, Isolation And Evaluation	PES Modern	6 Month
70.		Of Calcium Sennoside From Cassia	College of	O IVIOIREII
	Harshal Jagtap	Angustifolia Extract And Marketed	Pharmacy, Nigdi	
		Formulation By HPTLC"	Pune.	
00		Politication by HF LC	PES Modern	(Manuala
99.				6 Month
	Pooja Chavan	Design, synthesis and evaluation of	College of	
	3	some NMDA receptor antagonists as	Pharmacy, Nigdi	
		anti-alzheimer agents.	Pune.	
100			PES Modern	6 Month
	Pratiksha Kondawar	Design, synthesis and evaluation of	College of	
	Tratiksha Kondawai	some GSK-3 beta inhibitors as anti-	Pharmacy, Nigdi	
		alzheimer agents.	Pune.	
101		_	PES Modern	6 Month
		Design, synthesis and evaluation of	College of	
	Abhishek Maskare	some MAO-B inhibitors as anti-	Pharmacy, Nigdi	
		alzheimer agents.	Pune.	
102		Evaluating the effect of fructose-	PES Modern	6 Month
102		_		O MIOHIII
	Prathamesh Badhe	Induced NAFLD on Physicochemical	College of	
		Parameters in Rats	Pharmacy, Nigdi	
			Pune.	
103		Evaluating the effect of fructose-	PES Modern	6 Month
	Bhagirathi Bhale	Induced NAFLD on Physicochemical	College of	
	Bhaghathi Bhaic	Parameters in Rats	Pharmacy, Nigdi	
			Pune.	
104		Evaluating the effect of fructose-	PES Modern	6 Month
	G 1 17 11 1	Induced NAFLD on Physicochemical	College of	
	Sampada Kulkarni	Parameters in Rats	Pharmacy, Nigdi	
			Pune.	
105			PES Modern	6 Month
103		To study the effect of Cedrus deodora	College of	o iviolitii
	Shraddha Ahirrao	(Cedar wood) essential oil on wound	Pharmacy, Nigdi	
		healing in experimental animals.	Pune.	
100		nearing in experimental animals.		6 M a 1.
106		T	PES Modern	6 Month
	Akash Jiwnanai	To study the effect of royal jelly	College of	
	•	derived from apis mellifera and	Pharmacy, Nigdi	
		melaleuca oil (tea tree oil)	Pune.	
107		Evaluation of wound healing activity	PES Modern	6 Month
	Ankush Chavan	of ethanolic extract of saccharum	College of	
	mikasii Chavan	officinarium leaves in experimental	Pharmacy, Nigdi	
		animals	Pune.	
108		Formulation and Evaluation of Herbal	PES Modern	6 Month
	77 ' DI 1 1	Shampoo	College of	
	Vanita Bhurkunde	•	Pharmacy, Nigdi	
			Pune.	
109		Formulation and Evaluation of Herbal	PES Modern	6 Month
107				O IVIOIIIII
	Milind Dyagatwar	Shampoo	College of	
			Pharmacy, Nigdi	
			Pune.	





110		Formulation and Evaluation of Herbal	PES Modern	6 Month
		Shampoo	College of	
	Siddhanth Gaikwad	1	Pharmacy, Nigdi	
			Pune.	
111			PES Modern	6 Month
	17'1 YZ 1 1		College of	
	Vikas Kurulekar	Formulation and evaluation of herbal	Pharmacy, Nigdi	
		lotion	Pune.	
112		Chemical fingerprinting and	PES Modern	6 Month
	C 1.C1	antimicrobial activity of selected	College of	
	Guruprasad Chavan	medicinal herbs and it's ayurvedic	Pharmacy, Nigdi	
		formulation	Pune.	
113		Chemical fingerprinting and	PES Modern	6 Month
		antimicrobial activity of selected	College of	
	Anuj Gaikwad	medicinal herbs and it's ayurvedic	Pharmacy, Nigdi	
		formulation	Pune.	
114			PES Modern	6 Month
	TT 14 1 T 4 .		College of	
	Hrushikesh Ladkat	A Review on therapeutic potential of	Pharmacy, Nigdi	
		Bergenia ligulata Wall	Pune.	
115			PES Modern	6 Month
			College of	
	Mr. Jayesh Jaiswal		Pharmacy, Nigdi	
		Pharmacognosy study of citron fruits.	Pune.	
116		3 3	PES Modern	6 Month
			College of	
	Puskkar Karande Patil	Formulation and evaluation of syrup	Pharmacy, Nigdi	
		from citron fruits.	Pune.	
117			PES Modern	6 Month
			College of	
	Abhishek More	Formulation and evaluation of	Pharmacy, Nigdi	
		lozenges from citron fruits.	Pune.	
118		Formulation and Evaluation of herbal	PES Modern	6 Month
	C 1 17 11	Polyphenolic Tablets	College of	
	Ganesh Kudke		Pharmacy, Nigdi	
			Pune.	
119		Formulation and Evaluation of herbal	PES Modern	6 Month
	Describe D. 1 11	Polyphenolic Tablets	College of	
	Rutuja Deshmukh		Pharmacy, Nigdi	
			Pune.	
120		Preparation and evaluation of herbal	PES Modern	6 Month
		hair oil	College of	
	Pravin Bahir		Pharmacy, Nigdi	
			Pune.	
121		Formulation and evaluation of	PES Modern	6 Month
	NI'11'4 IZ 11	antifungal cream.	College of	
	Nikhita Kumbhar		Pharmacy, Nigdi	
			I maimae y, i vicas	





122		Synthogic and Characterization of	DEC Modern	6 Month
122		Synthesis and Characterization of	PES Modern	6 Month
	Balu Palekar	Magnetic Nanoparticles.	College of	
	Data Faterial		Pharmacy, Nigdi	
			Pune.	
123		Design, Synthesis & Evaluation of	PES Modern	6 Month
	A 17	Fe2O3 Nanoparticles.	College of	
	Aparna Patil	10200 Timopulation	Pharmacy, Nigdi	
			Pune.	
124		Synthesis and Evaluation of Iron	PES Modern	6 Month
124				O MOIIII
	Niranjan Rajput	Oxide nanoparticles with application's.	College of	
	5 51		Pharmacy, Nigdi	
			Pune.	
125		Eco-friendly Method Development	PES Modern	6 Month
	Tejashree rane	and Validation by UV- Visible	College of	
	rejasinee rane	spectroscopy	Pharmacy, Nigdi	
			Pune.	
126		Eco-friendly Method Development	PES Modern	6 Month
		and Validation by UV- Visible	College of	
	Samarth Shinde	spectroscopy	Pharmacy, Nigdi	
		Бресиовсор <i>у</i>	Pune.	
127			PES Modern	6 Month
127		Ess faire dis Made d Dessile annual		o Monui
	Akash V Wakale	Eco-friendly Method Development	College of	
	Timasii , ,, andio	and Validation by UV- Visible	Pharmacy, Nigdi	
		spectroscopy	Pune.	
128		Design, synthesis and Molecular	PES Modern	6 Month
	Shreenidhi naik	docking of some Tacrine derivatives	College of	
	Sincemain haik	as AChE Inhibitors.	Pharmacy, Nigdi	
			Pune.	
129		Design, synthesis and Molecular	PES Modern	6 Month
		docking of some Tacrine derivatives	College of	
	Priya shete	as AChE Inhibitors.	Pharmacy, Nigdi	
		and i come initiation.	Pune.	
130		Design, synthesis and Molecular	PES Modern	6 Month
130				O MIOHUI
	Rohit tapkir	docking of some Tacrine derivatives	College of	
	•	as AChE Inhibitors.	Pharmacy, Nigdi	
			Pune.	
131		Formulation and Evaluation of gunja	PES Modern	6 Month
	Niranjan Sonawane	cream	College of	
	1 manjan bonawanc		Pharmacy, Nigdi	
			Pune.	
132		Formulation and Evaluation of gunja	PES Modern	6 Month
	.	cream	College of	
	Dhanashree Yadav		Pharmacy, Nigdi	
			Pune.	
133		Formulation and Evaluation of auric	PES Modern	6 Month
133		Formulation and Evaluation of gunja		O MOUNT
	Smita Gaikwad	cream	College of	
			Pharmacy, Nigdi	
		1	Pune.	i i





134		Formation and evaluation of	PES Modern	6 Month
134		polyherbal chewable tablet		o Monui
	Kadambari Shinde	poryherbai chewabie tablet	College of	
			Pharmacy, Nigdi	
			Pune.	
135		Formation and evaluation of	PES Modern	6 Month
	Vanales Chinds	polyherbal chewable tablet	College of	
	Varsha Shinde		Pharmacy, Nigdi	
			Pune.	
136			PES Modern	6 Month
130		RP-HPLC method development and	College of	O IVIOIIIII
	Anjali Raju Wasule	validation for determination of	Pharmacy, Nigdi	
		felbinac	Pune.	
137		RP-HPLC method development and	PES Modern	6 Month
	Ashish Sakhare	validation for determination of	College of	
	Ashish Sakhare	felbinac	Pharmacy, Nigdi	
			Pune.	
138		RP-HPLC method development and	PES Modern	6 Month
		validation for determination of	College of	
	Shirfule nagesh N.	felbinac	Pharmacy, Nigdi	
		Telomae	Pune.	
120		DD 11D1 C me - 41 1 - 1 1	** **	6 M 1
139		RP-HPLC method development and	PES Modern	6 Month
	Akansha telang	validation for determination of	College of	
	7 ikansha terang	felbinac	Pharmacy, Nigdi	
			Pune.	
140		Method development and validation in	PES Modern	6 Month
		bulk and pharmaceutical dosage form	College of	
	More Mayuri	by HPTLC	Pharmacy, Nigdi	
		3, 22 22 3	Pune.	
141		Method development and validation in	PES Modern	6 Month
171		bulk and pharmaceutical dosage form	College of	O WIOIIII
	Shinde Utkarsha		_	
		by HPTLC	Pharmacy, Nigdi	
		1.6.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	Pune.	
142		Method development and validation in	PES Modern	6 Month
	Zanwar Mansi	bulk and pharmaceutical dosage form	College of	
	Zani wan ivialisi	by HPTLC	Pharmacy, Nigdi	
			Pune.	
143		Formulation and evaluation of	PES Modern	6 Month
	a 11 1	polyherbal anti-inflammatory	College of	
	Sonali n engule	analgesic liniment for gouty arthritis	Pharmacy, Nigdi	
		and osteoarthritis.	Pune.	
1 / /		Formulation and evaluation of	PES Modern	6 Man41-
144				6 Month
	Kartik yenkure	polyherbal anti-inflammatory	College of	
	J • • • • • • • • • • • • • • • • •	analgesic liniment for gouty arthritis	Pharmacy, Nigdi	
		and osteoarthritis.	Pune.	
145			PES Modern	6 Month
	M 1 1 D 1		College of	
	Mahesh Pekamwar	Formulation and evaluation of	Pharmacy, Nigdi	
		polyherbal anti-aging cream	Pune.	
		porynerous units aging eleans	i dilo.	





146			PES Modern	6 Month
140		Formulation and Evaluation of		O Monui
	Shweta wagh		College of	
	_	polyelectrolyte complex Nanoparticles	Pharmacy, Nigdi	
		for diabetes	Pune.	
147			PES Modern	6 Month
	Vasundhara Patil		College of	
	v usunununu 1 um	Polysaccharide Based Drug Delivery	Pharmacy, Nigdi	
		system For Periodontitis	Pune.	
148			PES Modern	6 Month
	A iinkyo Salvo		College of	
	Ajinkya Salve	Formulation and evaluation of	Pharmacy, Nigdi	
		transdermal patch for wound healing	Pune.	
149			PES Modern	6 Month
		Title: formulation and evaluation of	College of	
	Sarvade Ajinkya	medicated herbal chewing gum for	Pharmacy, Nigdi	
		mouth infections	Pune.	
150			PES Modern	6 Month
150		Formulation and evaluation of	College of	O IVIOIIIII
	Mohini thite	terbinafine hydrochloride niosomal	Pharmacy, Nigdi	
			Pune.	
1.5.1		nail lacquer.		CM 41
151			PES Modern	6 Month
	Vaishnavi Sonone		College of	
		Formulation and evaluation of herbal	Pharmacy, Nigdi	
		facewash and exfoliating tablet	Pune.	
152		Formulation development and	PES Modern	6 Month
	Shrinath waghmare	evaluation of herbal sunscreen lotion.	College of	
	Similari wagiiniare		Pharmacy, Nigdi	
			Pune.	
153		Formulation development and	PES Modern	6 Month
	Harabita C Washmada	evaluation of herbal sunscreen lotion.	College of	
	Harshita S Waghmode		Pharmacy, Nigdi	
			Pune.	
154		Formulation development and	PES Modern	6 Month
	0 1 1	evaluation of herbal sunscreen lotion.	College of	
	Sarvesh yeole		Pharmacy, Nigdi	
			Pune.	
155		The Formulation, Evaluation and	PES Modern	6 Month
100		optimization of Antifungal Ufosomal	College of	
	Utkarsha patil	Gel	Pharmacy, Nigdi	
			Pune.	
156		The Formulation, Evaluation and	PES Modern	6 Month
150		optimization of Antifungal Ufosomal		O MIOIIIII
	Nikita Pawar		College of	
		Gel	Pharmacy, Nigdi	
1		m p le p	Pune.	(3.5
157		The Formulation, Evaluation and	PES Modern	6 Month
	Snehal shinde	optimization of Antifungal Ufosomal	College of	
	211010111100	Gel	Pharmacy, Nigdi	
			Pune.	





158		Formulation and Evaluation of Anti-	PES Modern	6 Month
130.		aging and Anti-acne herbal scrub	College of	O WOILLI
	Ajaykumar Patel	based face wash	Pharmacy, Nigdi	
		based face wash	Pune.	
159		Formulation and Evaluation of Anti-	PES Modern	6 Month
139				o Monui
	Harshali sonawane	aging and Anti-acne herbal scrub	College of	
		based face wash	Pharmacy, Nigdi	
4.50			Pune.	
160		Formulation and Evaluation of Anti-	PES Modern	6 Month
	Vanve shubham	aging and Anti-acne herbal scrub	College of	
		based face wash	Pharmacy, Nigdi	
			Pune.	
161		Formulation, development and	PES Modern	6 Month
	Tonmory gotlzon	evaluation of diclofenac sodium gel by	College of	
	Tanmay satkar	using HPMC	Pharmacy, Nigdi	
			Pune.	
162		Formulation, development and	PES Modern	6 Month
	A -1-1-1- C1 1 1	evaluation of diclofenac sodium gel by	College of	
	Ashish Shinde	using HPMC	Pharmacy, Nigdi	
			Pune.	
163		Formulation, development and	PES Modern	6 Month
100		evaluation of diclofenac sodium gel by	College of	0 1/1011111
	Raviraj shinde	using HPMC	Pharmacy, Nigdi	
			Pune.	
164		Formulation and evaluation of	PES Modern	6 Month
104		diclofenac sodium nano suspension	College of	O WOILLI
	Snehal panhalkar	dicioicnae sodium nano suspension	Pharmacy, Nigdi	
			Pune.	
165		Formulation and evaluation of	PES Modern	6 Month
103				O MOHHI
	Yashasvi patil	diclofenac sodium nano suspension	College of	
	-		Pharmacy, Nigdi	
1.00		Promodelico 1 1 C C	Pune.	C N # 1
166		Formulation and evaluation of	PES Modern	6 Month
	Lalit sargar	diclofenac sodium nano suspension	College of	
	···		Pharmacy, Nigdi	
			Pune.	
167		Evaluation of in vitro-anthelmintic	PES Modern	6 Month
	Shital Susar	activity of herbal extracts	College of	
	Siliai Sasai		Pharmacy, Nigdi	
			Pune.	
168		Evaluation of in vitro-anthelmintic	PES Modern	6 Month
	Navand Cyad	activity of herbal extracts	College of	
	Naveed Syed		Pharmacy, Nigdi	
			Pune.	
169		Evaluation of in vitro-anthelmintic	PES Modern	6 Month
- 07		activity of herbal extracts	College of	
	Tupe Samadhan		Pharmacy, Nigdi	
			Pune.	
			i unc.	





170		Awareness and assessment of risk	PES Modern	6 Month
170		factors associated with breast cancer	College of	o ivionim
	Neha pandit	among Indian women : A	Pharmacy, Nigdi	
		questionnaire survey	Pune.	
171		Awareness and assessment of risk	PES Modern	6 Month
1/1				o Monui
	Prasanjit suryawanshi	factors associated with breast cancer	College of	
	, <u>,</u>	among Indian women : A	Pharmacy, Nigdi	
		questionnaire survey	Pune.	
172		Awareness and assessment of risk	PES Modern	6 Month
	Pratik Suryawanshi	factors associated with breast cancer	College of	
	Tradic Saryawansin	among Indian women : A	Pharmacy, Nigdi	
		questionnaire survey	Pune.	
173		Development and validation of	PES Modern	6 Month
	Saurav Pawar	HPTLC method for estimation of	College of	
	Saurav Pawar	deferiprone in bulk and marketed	Pharmacy, Nigdi	
		formulations.	Pune.	
174		Development and validation of	PES Modern	6 Month
	01 111 5	HPTLC method for estimation of	College of	
	Shraddha Raut	deferiprone in bulk and marketed	Pharmacy, Nigdi	
		formulations.	Pune.	
175		Development and validation of	PES Modern	6 Month
175		HPTLC method for estimation of	College of	o Month
	Shweta Sarne	deferiprone in bulk and marketed	Pharmacy, Nigdi	
		formulations.	Pune.	
176		Assessment of Clinical Profile data	PES Modern	6 Month
1/0				o Monui
	Nikita Salunke	and Treatment pattern of Guillian-	College of	
		Barre syndrome (GBS).	Pharmacy, Nigdi	
177		A	Pune.	C 3 4
177		Assessment of Clinical Profile data	PES Modern	6 Month
	Priyanka tandlekar	and Treatment pattern of Guillian-	College of	
	111yunka tandieka	Barre syndrome (GBS).	Pharmacy, Nigdi	
			Pune.	
178		Assessment of Clinical Profile data	PES Modern	6 Month
	Ukirde deven	and Treatment pattern of Guillian-	College of	
	O KITUO UO VOII	Barre syndrome (GBS).	Pharmacy, Nigdi	
			Pune.	
179		Assessment of Knowledge and	PES Modern	6 Month
	Adwait tole	Awareness about Drug-Food	College of	
	Auwait tole	Interactions among General Public in	Pharmacy, Nigdi	
		India: A questionnaire survey	Pune.	
180		Assessment of Knowledge and	PES Modern	6 Month
		Awareness about Drug-Food	College of	
	Madhavi vikharankar	Interactions among General Public in	Pharmacy, Nigdi	
		India: A questionnaire survey	Pune.	
181		Assessment of Knowledge and	PES Modern	6 Month
101		Awareness about Drug–Food	College of	O MOHUI
	Rutuja wayal	Interactions among General Public in	Pharmacy, Nigdi	
			Pune.	
		India: A questionnaire survey	rulle.	





182		Comparative evaluation of herbal lip	PES Modern	6 Month
102		balms developed using various natural	College of	O IVIOIRII
	Shivhar Shete	bases.	Pharmacy, Nigdi	
		bases.	Pune.	
183		Comparative evaluation of herbal lip	PES Modern	6 Month
103		balms developed using various natural	College of	O WIGHTI
	Shraddha Shingade	bases.	Pharmacy, Nigdi	
		bases.	Pune.	
184		Comparative evaluation of herbal lip	PES Modern	6 Month
10-		balms developed using various natural	College of	O WIOIIII
	Waghire Nikhil	bases.	Pharmacy, Nigdi	
		ouses.	Pune.	
185		Study of Onset Time, Risk Factors,	PES Modern	6 Month
103		and Prescription Pattern in Patients	College of	O WIGHTI
	Ms. Pratiksha bhoite	with Stroke.	Pharmacy, Nigdi	
		with Stoke.	Pune Pune	
186		Study of Onset Time, Risk Factors,	PES Modern	6 Month
100		and Prescription Pattern in Patients	College of	O MOIM
	Mr. Swapnil ghatule	with Stroke.	Pharmacy, Nigdi	
		with Stoke.	Pune Pune	
187		Study of Onset Time, Risk Factors,	PES Modern	6 Month
107		and Prescription Pattern in Patients	College of	O Month
	Mr. Atharva nanday	with Stroke.	Pharmacy, Nigdi	
		with Stroke.	Pune	
188		Study of Onset Time, Risk Factors,	PES Modern	6 Month
100		and Prescription Pattern in Patients	College of	O Month
	Mr. Sumeet udawant	with Stroke.	Pharmacy, Nigdi	
		with Stroke.	Pune	
189		Assessment of Anti-Microbial agent	PES Modern	6 Month
10)		usage pattern as per the given	College of	o monun
	Ms. Aparna awhad	susceptibility testing report.	Pharmacy, Nigdi	
		susceptionity testing report.	Pune	
190		Assessment of Anti-Microbial agent	PES Modern	6 Month
		usage pattern as per the given	College of	0 1.1011111
	Ms. Divya hagawane	susceptibility testing report.	Pharmacy, Nigdi	
		and the same of th	Pune	
191		Assessment of Anti-Microbial agent	PES Modern	6 Month
	36 36 1 "	usage pattern as per the given	College of	
	Ms. Muskan radhanpura	susceptibility testing report.	Pharmacy, Nigdi	
			Pune	
192		Assessment of Anti-Microbial agent	PES Modern	6 Month
	M D 57 1 1	usage pattern as per the given	College of	
	Mr. Pranav Yelamkar	susceptibility testing report.	Pharmacy, Nigdi	
			Pune	
193		To study incidence, cost analysis and	PES Modern	6 Month
	M D 1'4 11	drug utilization pattern of	College of	
	Ms. Rachita ranasubhe	anticoagulants in patient with VTE.	Pharmacy, Nigdi	
		anticoagulants in patient with vill.	I marmacy, rangar	





194	_	To study incidence, cost analysis and	PES Modern	6 Month
174		drug utilization pattern of	College of	O WIOIIII
	Mr. Sanket talegaonkar	anticoagulants in patient with VTE.	Pharmacy, Nigdi	
		anticoagulants in patient with VIE.	Pune	
105				CM (1
195		To study incidence, cost analysis and	PES Modern	6 Month
	Ms. Saloni Yadav	drug utilization pattern of	College of	
		anticoagulants in patient with VTE.	Pharmacy, Nigdi	
			Pune	
196		To study incidence, cost analysis and	PES Modern	6 Month
	Ms. Jagruti yenpure	drug utilization pattern of	College of	
	wis. Jagiuti yenpure	anticoagulants in patient with VTE.	Pharmacy, Nigdi	
			Pune	
197		Assessment of drugs dose adjustment	PES Modern	6 Month
	14 GI	in chronic kidney disease patients in	College of	
	Ms. Shweta Kendre	tertiary care hospital.	Pharmacy, Nigdi	
		The state of the s	Pune	
198		Assessment of drugs dose adjustment	PES Modern	6 Month
170		in chronic kidney disease patients in	College of	o Monui
	Mr. Shiva Khanal	• •	_	
		tertiary care hospital.	Pharmacy, Nigdi Pune	
100		A		C 3 f
199		Assessment of drugs dose adjustment	PES Modern	6 Month
	Ms. Pranali Mahajan	in chronic kidney disease patients in	College of	
	11250 1 1002001 11200200Jun	tertiary care hospital.	Pharmacy, Nigdi	
			Pune	
200		Assessment of drugs dose adjustment	PES Modern	6 Month
	Ms. Shraddha nachane	in chronic kidney disease patients in	College of	
	Wis. Sili addita flactiane	tertiary care hospital.	Pharmacy, Nigdi	
			Pune	
201		To design, develop and validate the	PES Modern	6 Month
	M C 1 1 4 1 1	screening tool for minimizing	College of	
	Ms. Sukshamta balure	prescription error in neonates.	Pharmacy, Nigdi	
			Pune	
202		To design, develop and validate the	PES Modern	6 Month
		screening tool for minimizing	College of	0 1:1011111
	Mr. Satyawan kumbhar	prescription error in neonates.	Pharmacy, Nigdi	
		prescription error in neonates.	Pune	
203		To design, develop and validate the	PES Modern	6 Month
203		screening tool for minimizing	College of	O IVIOIIII
	Mr. Akash mahamuni	prescription error in neonates.	Pharmacy, Nigdi	
		prescription error in neonates.	•	
204		To design develop and11d-4- de	Pune DEC Modern	6 Manual
204		To design, develop and validate the	PES Modern	6 Month
	Ms. Sujata thokal	screening tool for minimizing	College of	
		prescription error in neonates.	Pharmacy, Nigdi	
			Pune	
205		Design, development and validation of	PES Modern	6 Month
205				
205	Ms. Vaishnavee	screening tool for IV medications	College of	
205	Ms. Vaishnavee deshmukh	screening tool for IV medications incompatibility in neonates.	College of Pharmacy, Nigdi	





206		Design, development and validation of	PES Modern	6 Month
		screening tool for IV medications	College of	
	Mr. Gaurav Memane	incompatibility in neonates.	Pharmacy, Nigdi	
			Pune	
207		Design, development and validation of	PES Modern	6 Month
	Ms. Vaishnavi	screening tool for IV medications	College of	
	panchariya	incompatibility in neonates.	Pharmacy, Nigdi	
			Pune	
208		Design, development and validation of	PES Modern	6 Month
	Mr. Vedant patil	screening tool for IV medications	College of	
	wii. Vedant patri	incompatibility in neonates.	Pharmacy, Nigdi	
			Pune	
209		To evaluate the drug utilization and	PES Modern	6 Month
	Ms. Vaishnavi chavan	analysis of antiepileptic drugs at	College of	
	ivis. Vaisimavi chavan	tertiary care hospital	Pharmacy, Nigdi	
			Pune	
210		To evaluate the drug utilization and	PES Modern	6 Month
	Mr. Harshal jadhav	analysis of antiepileptic drugs at	College of	
	ivii. Hai silai jaalia v	tertiary care hospital	Pharmacy, Nigdi	
			Pune	
211		To evaluate the drug utilization and	PES Modern	6 Month
	Ms. Pranali kumbhar	analysis of antiepileptic drugs at	College of	
	Wist Fundi Rumona	tertiary care hospital	Pharmacy, Nigdi	
			Pune	
212		To evaluate the drug utilization and	PES Modern	6 Month
	Mr. Shubham shewale	analysis of antiepileptic drugs at	College of	
		tertiary care hospital	Pharmacy, Nigdi	
212		D 1	Pune	634 1
213		Development Of The Mobile	PES Modern	6 Month
	Mr. Nitesh Agrawal	Application For Digital Literacy	College of	
	C	Related To Cardiovascular Risk	Pharmacy, Nigdi	
214		Factors In Sociological Factors.	Pune PES Modern	6 Manual.
214		Development Of The Mobile	PES Modern	6 Month
	Ms. Shruti akhade	Application For Digital Literacy Related To Cardiovascular Risk	College of	
			Pharmacy, Nigdi Pune	
215		Factors In Sociological Factors. Development Of The Mobile	PES Modern	6 Month
213		Application For Digital Literacy	College of	O MIOIIIII
	Mr. Shubham kudale	Related To Cardiovascular Risk	Pharmacy, Nigdi	
		Factors In Sociological Factors.	Pune	
216		Development Of The Mobile	PES Modern	6 Month
210		Application For Digital Literacy	College of	O MOIM
	Ms. Ashwini vare	Related To Cardiovascular Risk	Pharmacy, Nigdi	
		Factors In Sociological Factors.	Pune	
217				C M 1
217		Assessment of drug related problems	PES Modern	h Minnth
217		Assessment of drug related problems	PES Modern	6 Month
217	Mr. Abhishek Khaire	Assessment of drug related problems among cervical cancer patients.	College of Pharmacy, Nigdi	6 Month





210		Aggreement of days aggree 1 - 1-1-	DEC Madam	6 Manual.
218		Assessment of drug related problems	PES Modern	6 Month
	Ms. Esha Patel	among cervical cancer patients.	College of	
	ivis. Esita i atei		Pharmacy, Nigdi	
			Pune	
219		Assessment of drug related problems	PES Modern	6 Month
		among cervical cancer patients.	College of	
	Ms. Sumedha savane	marray restrict process.	Pharmacy, Nigdi	
			Pune	
220		Assessment of drug related problems	PES Modern	6 Month
220		C I		O MOIIIII
	Mr. Avinash shinde	among cervical cancer patients.	College of	
			Pharmacy, Nigdi	
			Pune	
221		London Smog	PES Modern	6 Month
	Amrutkar Sachin Eknath		College of	
	Amilutkai Saciiii Ekilatii		Pharmacy, Nigdi	
			Pune	
222		London Smog	PES Modern	6 Month
		6	College of	
	Andre Disha Yashwant		Pharmacy, Nigdi	
			Pune Pune	
223		Landan Cmaa	PES Modern	6 Month
223		London Smog		o Month
	Attarkar Yash Ganesh		College of	
			Pharmacy, Nigdi	
			Pune	
224		Chernobyl Disaster	PES Modern	6 Month
	Bansode Payal Angad		College of	
	Bansode I ayai Angad		Pharmacy, Nigdi	
			Pune	
225		Chernobyl Disaster	PES Modern	6 Month
	D		College of	
	Bhakad Darshan Laxman		Pharmacy, Nigdi	
			Pune	
226		Chernobyl Disaster	PES Modern	6 Month
220	Bharambe Bhakti	Chemoty Disaster	College of	O MOHUI
	Chandrakant		Pharmacy, Nigdi	
225		D. 10 m	Pune	
227		Bhopal Gas Tragedy	PES Modern	6 Month
	Bharambe Mihir Shivaji		College of	
			Pharmacy, Nigdi	
			Pune	
228		Bhopal Gas Tragedy	PES Modern	6 Month
	Bhatane Chaitanya		College of	
	Govind		Pharmacy, Nigdi	
	/		Pune	
229		Bhopal Gas Tragedy	PES Modern	6 Month
229		Dhopar Gas Tragedy		O MOHUI
	Bhoi Neeraj Kishor		College of	
	-		Pharmacy, Nigdi	
			Pune	





230		The Exxon Valdez Oil Spill	PES Modern	6 Month
200		The Emion values on Spin	College of	o ivionin
	Bhopale Sanika Rajesh		Pharmacy, Nigdi	
			Pune	
231		The Exxon Valdez Oil Spill	PES Modern	6 Month
231		The Exxon values on Spin	College of	O WIOILII
	Bhosale Surabhi Ramesh		Pharmacy, Nigdi	
			Pune Pune	
232		The Exxon Valdez Oil Spill	PES Modern	6 Month
232	Bhosle Rushikesh	The Exxon values on Spin	College of	O WIOIIII
	Krishna		Pharmacy, Nigdi	
	Kiisiiia		Pune Pune	
233		The Seveso Disaster	PES Modern	6 Month
233	Bhurkunde Shubham	The Seveso Disaster	College of	O Month
			Pharmacy, Nigdi	
	Narayan		Pune	
234		The Seveso Disaster	PES Modern	6 Month
234	Chendke Vaishnavee	The Seveso Disaster		O MOHUI
	Anand		College of	
	Anand		Pharmacy, Nigdi Pune	
225		The Course Disease.		CM and
235	Chananta Daireandhan	The Seveso Disaster	PES Modern	6 Month
	Chougule Rajwardhan		College of	
	Digambar		Pharmacy, Nigdi	
226		M' D'	Pune	C 3 f
236	D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Minamata Disease	PES Modern	6 Month
	Dahiphale Aditya		College of	
	Adinath		Pharmacy, Nigdi	
225		76	Pune	(3.5)
237		Minamata Disease	PES Modern	6 Month
	Dalavi Sneha Santosh		College of	
			Pharmacy, Nigdi	
225			Pune	(3)
238			PES Modern	6 Month
	Dalvi Sakshi Amar		College of	
			Pharmacy, Nigdi	
_		Minamata Disease	Pune	
239		Southern Leyte Rock Slide/Avalanche	PES Modern	6 Month
	Date Snehal Khandu		College of	
	Bute Shehai Tihanda		Pharmacy, Nigdi	
			Pune	
240		Southern Leyte Rock Slide/Avalanche	PES Modern	6 Month
	Datir Sarthak Deepak		College of	
	Dam Sarman Deepan		Pharmacy, Nigdi	
			Pune	
241		Southern Leyte Rock Slide/Avalanche	PES Modern	6 Month
	Dhanavade Shubham		College of	
	Chandrakant		Pharmacy, Nigdi	
			Pune	





242		Deanwater Harizon / Culf of Marries	DEC Modom	6 Month
242		Deepwater Horizon/ Gulf of Mexico	PES Modern	6 Month
	Dhande Swaraj Ganpat	Oil spill	College of	
			Pharmacy, Nigdi	
			Pune	
243		Deepwater Horizon/ Gulf of Mexico	PES Modern	6 Month
	Dhore Harshal Lalasaheb	Oil spill	College of	
	Dilote Harsilai Laiasaileo		Pharmacy, Nigdi	
			Pune	
244		Deepwater Horizon/ Gulf of Mexico	PES Modern	6 Month
		Oil spill	College of	
	Gaikwad Rohit Raosaheb		Pharmacy, Nigdi	
			Pune	
245		Baia Mare Cyanide Spill	PES Modern	6 Month
213	Gavhane Shravani	Bula Mare Cyamae Spin	College of	o iviolitii
	Bhairavnath		Pharmacy, Nigdi	
	Ditaliavilatii		Pune Pune	
246		Paia Mara Cyanida Crill	PES Modern	6 Month
<i>2</i> 40		Baia Mare Cyanide Spill		O MOUTH
	Gawari Gayatri Shivaji		College of	
	2 3		Pharmacy, Nigdi	
			Pune	
247		Baia Mare Cyanide Spill	PES Modern	6 Month
	Ghodake Savitri		College of	
	Vishwanath		Pharmacy, Nigdi	
			Pune	
248		Love Canal Tragedy	PES Modern	6 Month
	Chuga Doonem Charad		College of	
	Ghuge Poonam Sharad		Pharmacy, Nigdi	
			Pune	
249		Love Canal Tragedy	PES Modern	6 Month
			College of	
	Gidye Prashanti Ramesh		Pharmacy, Nigdi	
			Pune	
250		Love Canal Tragedy	PES Modern	6 Month
250	Govekar Vaidehi	20,0 Cultur Tragedy	College of	O IVIOIIIII
	Shriniwas		Pharmacy, Nigdi	
	Sill IIII w as		Pune	
251		The North Pacific Garbage Patch	PES Modern	6 Month
231	Curay Drothmash	The North Facilic Garbage Patch		O MOHUI
	Gurav Prathmesh		College of	
	Rajaram		Pharmacy, Nigdi	
275		m N d D to C 1	Pune	C 3 5 - 3
252		The North Pacific Garbage Patch	PES Modern	6 Month
	Hole Aishwarya Dileep		College of	
	Tiole Thishwarya Direct		Pharmacy, Nigdi	
			Pune	
252		The North Pacific Garbage Patch	PES Modern	6 Month
253			1	1
253	In colo De calatt C		College of	
253	Ingale Darshil Sanjog		College of Pharmacy, Nigdi	





254		E-waste in Guiyu, China	PES Modern	6 Month
r		_ nate in July u, Clinia	College of	
	Jadar Trupti Ashok		Pharmacy, Nigdi	
			Pune	
255		E-waste in Guiyu, China	PES Modern	6 Month
233		2 waste in Garya, cinna	College of	o iviolitii
	Jadhav Anushka		Pharmacy, Nigdi	
			Pune Pune	
256		E-waste in Guiyu, China	PES Modern	6 Month
230		L waste in Garya, Cinna	College of	O WOILII
	Jadhav Manik Somdev		Pharmacy, Nigdi	
			Pune Pune	
257		Dust Bowl in Canada and United	PES Modern	6 Month
237		States	College of	O WIOIIII
	Jadhav Prachi Eknath	States	Pharmacy, Nigdi	
			Pune Pune	
258		Dust Bowl in Canada and United	PES Modern	6 Month
236		States States	College of	O IVIOIIIII
	Jadhav Rohan Rajendra	States	Pharmacy, Nigdi	
			Pune Pune	
259		Dust Bowl in Canada and United	PES Modern	6 Month
239	Jagalnura Canalanti	States States		O MOUTH
	Jagalpure Sanskruti	States	College of Pharmacy, Nigdi	
	Sanjay		Pune Pune	
260		The Great Sparrow Compaign (China)	PES Modern	6 Month
∠00		The Great Sparrow Campaign (China)		O MOUTH
	Jagdale Tanmay Bharat		College of	
	-		Pharmacy, Nigdi	
261		The Creek Spanners Committee (Cl.)	Pune PES Modern	6 Manual
261	Jacton Waihhay	The Great Sparrow Campaign (China)	PES Modern	6 Month
	Jagtap Vaibhav		College of	
	Annasaheb		Pharmacy, Nigdi	
262		The Creek Commerce Committee (Cl.)	Pune PEC Madam	6 M 41
262	I 1 V1 1	The Great Sparrow Campaign (China)	PES Modern	6 Month
	Jamadar Yashpal		College of	
	Mansing		Pharmacy, Nigdi	
2.52		D I CVI I I I I	Pune	(34 3
263		Decline of Vultures in India due to	PES Modern	6 Month
	Jane Achal Sudhir	Diclofenac leadin to increased	College of	
		incidenses of rabies	Pharmacy, Nigdi	
0.51			Pune	
264		Decline of Vultures in India due to	PES Modern	6 Month
	Jumade Khushboo	Diclofenac leadin to increased	College of	
	Deepak	incidenses of rabies	Pharmacy, Nigdi	
			Pune	
265		Decline of Vultures in India due to	PES Modern	6 Month
	Kachare Vaishnavi	Diclofenac leadin to increased	College of	
	Govind	incidenses of rabies	Pharmacy, Nigdi	
		1	Pune	1





266		Deforestation of Easter Island	PES Modern	6 Month
200	Kambale Vrundali	Beforestation of Baster Island	College of	O IVIOIRII
	Bhausaheb		Pharmacy, Nigdi	
	Bilausaneo		Pune Pune	
267		Deforestation of Easter Island	PES Modern	6 Month
207	Kamble Sainath	Deforestation of Easter Island		O MOILLI
			College of	
	Pandurang		Pharmacy, Nigdi	
2.60			Pune	C3.51
268		Deforestation of Easter Island	PES Modern	6 Month
	Karale Vaishnavi Tarun		College of	
			Pharmacy, Nigdi	
			Pune	
269		Environmental Threats to The Great	PES Modern	6 Month
	Karande Snehal	Barrier Reef	College of	
	Ramchandra		Pharmacy, Nigdi	
			Pune	
270		Environmental Threats to The Great	PES Modern	6 Month
	Vashid Dustilsaha Dusdin	Barrier Reef	College of	
	Kashid Pratiksha Pradip		Pharmacy, Nigdi	
			Pune	
271		Environmental Threats to The Great	PES Modern	6 Month
	TT . TT . 1	Barrier Reef	College of	
	Kate Vaishnavi Shankar		Pharmacy, Nigdi	
			Pune	
272		Donora Smog	PES Modern	6 Month
			College of	0 1/1011011
	Katkhede Janhavi Sunil		Pharmacy, Nigdi	
			Pune	
273		Donora Smog	PES Modern	6 Month
-75	Khandare Rutuja	2 onoru Smog	College of	0 1/10/11/11
	Jagannath		Pharmacy, Nigdi	
	Jagaman		Pune	
274		Donora Smog	PES Modern	6 Month
∠ / →	Khedkar Shravani	Donora Smog	College of	o iviolitii
	Sandeep		Pharmacy, Nigdi	
	Sanucep		Pune Pharmacy, Nigur	
275		Fukushima Dajichi Nuclear Disaster	Pune PES Modern	6 Month
213		Tukusiiiiia Daiiciii Nuclear Disaster		o iviolitii
	Kherde Aditi Rajesh		College of	
	-		Pharmacy, Nigdi	
27.0		Eulmahima Dattati Marit Di	Pune PEG Madam	() M = 11
276		Fukushima Daiichi Nuclear Disaster	PES Modern	6 Month
	Kokate Shilpa		College of	
	Dnyaneshwar		Pharmacy, Nigdi	
			Pune	
277		Fukushima Daiichi Nuclear Disaster	PES Modern	6 Month
	Kothe Mrunmay		College of	
	ixono mininay		Pharmacy, Nigdi	
			Pune	





278		Melbourne Dust Storm	PES Modern	6 Month
270	Kulkarni Kaustubh	Molodulic Dust Stolli	College of	O MOHUI
	Milind		Pharmacy, Nigdi	
	Willing		Pune	
270		Melbourne Dust Storm	PES Modern	6 Month
279		Melbourne Dust Storm		6 Month
	Kulkarni Vishal Vinayak		College of	
	•		Pharmacy, Nigdi	
• • • •			Pune	
280		Melbourne Dust Storm	PES Modern	6 Month
	Kurhe Shreyas		College of	
	Babasaheb		Pharmacy, Nigdi	
			Pune	
281		Kuwaiti Oil Fires	PES Modern	6 Month
	Lolzhanda Driva Navnath		College of	
	Lokhande Priya Navnath		Pharmacy, Nigdi	
			Pune	
282		Kuwaiti Oil Fires	PES Modern	6 Month
			College of	
	Londhe Ninad Rajendra		Pharmacy, Nigdi	
			Pune	
283		Kuwaiti Oil Fires	PES Modern	6 Month
203		Trawaiti off Thes	College of	o Woman
	Madake Nikhil Bhagwan		Pharmacy, Nigdi	
			Pune Pune	
284		Burning of Amazon Forest-2019	PES Modern	6 Month
20 4		Durning of Amazon Polest-2019	College of	O Month
	Mahake Omkesh Venkat		Pharmacy, Nigdi	
			Pune Pune	
285		Duming of America Ferrest 2010	PES Modern	6 Month
200		Burning of Amazon Forest-2019		o Month
	Maind Prasad Pravin		College of	
			Pharmacy, Nigdi	
60:			Pune	
286		Burning of Amazon Forest-2019	PES Modern	6 Month
	Manjare Harshal Rahul		College of	
			Pharmacy, Nigdi	
			Pune	
287		Coral Bleaching	PES Modern	6 Month
	Mankar Mohini		College of	
	Ishwardas		Pharmacy, Nigdi	
			Pune	
288		Coral Bleaching	PES Modern	6 Month
			College of	
	Marma David Curil		00111080 01	1
	Marne Payal Sunil			
	Marne Payal Sunil		Pharmacy, Nigdi Pune	
289	Marne Payal Sunil	Coral Bleaching	Pharmacy, Nigdi	6 Month
289	•	Coral Bleaching	Pharmacy, Nigdi Pune PES Modern	6 Month
289	Marne Payal Sunil Masne Prajakta Bhagwan	Coral Bleaching	Pharmacy, Nigdi Pune	6 Month





290		Ocean Acidification	PES Modern	6 Month
			College of	
	Mhaske Rutuja Tanaji		Pharmacy, Nigdi	
			Pune	
291		Ocean Acidification	PES Modern	6 Month
_, _			College of	
	More Bhakti Rajesh		Pharmacy, Nigdi	
			Pune	
292		Ocean Acidification	PES Modern	6 Month
			College of	0 1/1011011
	More Omkar Sudam		Pharmacy, Nigdi	
			Pune	
293		Sacred Groves in the Western Ghats	PES Modern	6 Month
273	Mule Utkarsha	Sacred Groves in the Western Ghats	College of	O WIOIIII
	Chandrakant		Pharmacy, Nigdi	
	Chandrakant		Pune Pune	
294		Sacred Groves in the Western Ghats	PES Modern	6 Month
∠ 74 .		Sacred Groves III the Western Ghats		O MOHUI
	Navale Pratik Rajendra		College of	
			Pharmacy, Nigdi	
205			Pune	C M
295	N. ' C1	Sacred Groves in the Western Ghats	PES Modern	6 Month
	Navgire Sharayu		College of	
	Dayanand		Pharmacy, Nigdi	
			Pune	
296		The Gulf War Spill	PES Modern	6 Month
	Nikam Onkar Vijay		College of	
			Pharmacy, Nigdi	
			Pune	
297		The Gulf War Spill	PES Modern	6 Month
	Pachkhande Rushikesh		College of	
	Santosh		Pharmacy, Nigdi	
			Pune	
298		The Gulf War Spill	PES Modern	6 Month
	Panwar Narayani		College of	
	Manoharlal		Pharmacy, Nigdi	
			Pune	
299		The Lebby Montana Aesbestos	PES Modern	6 Month
	Doto Apuryo Wievlanese	Contamination	College of	
	Pate Apurva Vijaykumar		Pharmacy, Nigdi	
			Pune	
300		The Lebby Montana Aesbestos	PES Modern	6 Month
	D (1 A 1) 57"	Contamination	College of	
	Patil Aditya Vijay		Pharmacy, Nigdi	
			Pune	
301		The Lebby Montana Aesbestos	PES Modern	6 Month
231		Contamination	College of	5
	D 4 1 D D 1 1		_	1
	Patil Pranav Rajesh		Pharmacy, Nigdi	





302		Australian Bush fires 2019-2020	PES Modern	6 Month
302		Adstralian Bush files 2017 2020	College of	O Month
	Patil Vaishnav Dadarao		Pharmacy, Nigdi	
			Pune	
303		Australian Bush fires 2019-2020	PES Modern	6 Month
303		Adstralian Bush files 2017 2020	College of	O Month
	Patil Yuvradni Harish		Pharmacy, Nigdi	
			Pune	
304		Australian Bush fires 2019-2020	PES Modern	6 Month
301		rastaliali Bush ilies 2017 2020	College of	O IVIOIILII
	Pavse Durgadevi Mahesh		Pharmacy, Nigdi	
			Pune	
305		Oilspill In Russia's Artic region	PES Modern	6 Month
303		Onspin in Russia's ratio region	College of	O IVIOIILII
	Pole Rutuja Dashrath		Pharmacy, Nigdi	
			Pune Pune	
306		Oilspill In Russia's Artic region	PES Modern	6 Month
300		onspin in Russia s Titue Tegion	College of	O IVIOILII
	Potdar Chinmayee Rahul		Pharmacy, Nigdi	
			Pune	
307		Oilspill In Russia's Artic region	PES Modern	6 Month
		01156111 111 1100010 0 1 11110 1081011	College of	0 1/1011011
	Rane Manish Gajanan		Pharmacy, Nigdi	
			Pune	
308		Cyclone Nisarga, MH	PES Modern	6 Month
	D 4 117 117 1		College of	
	Rathod Kajal Jitendra		Pharmacy, Nigdi	
			Pune	
309		Cyclone Nisarga, MH	PES Modern	6 Month
	Don't Athamia Nandrichan		College of	
	Raut Atharva Nandkishor		Pharmacy, Nigdi	
			Pune	
310		Cyclone Nisarga, MH	PES Modern	6 Month
	Dobida Vashiles	_	College of	
	Rohida Yashika		Pharmacy, Nigdi	
			Pune	
311			PES Modern	6 Month
	Sabne Kunal Suresh		College of	
	Saulie Kuliai Sulesii		Pharmacy, Nigdi	
		Jaitapur Nuclear Power Plant	Pune	
312		Jaitapur Nuclear Power Plant	PES Modern	6 Month
	Sharma Harish		College of	
	Dwarkaprasad		Pharmacy, Nigdi	
			Pune	
313		Jaitapur Nuclear Power Plant	PES Modern	6 Month
	Shailth Anahirra Marrad		College of	
	Sheikh Arshiya Naved		Pharmacy, Nigdi	
			Pune	





314		Assam Gas and oil leak	PES Modern	6 Month
314		Assam Gas and on leak	College of	O WIOIIII
	Shelar Priya Dipak		Pharmacy, Nigdi	
			Pune Pune	
215		A C 1 '11 1		CM (1
315		Assam Gas and oil leak	PES Modern	6 Month
	Shendge Ganesh		College of	
	Dadasaheb		Pharmacy, Nigdi	
			Pune	
316		Assam Gas and oil leak	PES Modern	6 Month
	Sheregar Disha Rajanand		College of	
	Sheregai Disha Rajahana		Pharmacy, Nigdi	
			Pune	
317		Man and animal Conflict	PES Modern	6 Month
			College of	
	Shinde Aayush Umesh		Pharmacy, Nigdi	
			Pune	
318		Man and animal Conflict	PES Modern	6 Month
2 - 0			College of	
	Shinde Ankita Atul		Pharmacy, Nigdi	
			Pune Pune	
319		Man and animal Conflict	PES Modern	6 Month
317	Shinde Shrikant	Wan and animal Conflict	College of	O WIOIIII
	Mininath		Pharmacy, Nigdi	
	Milliaui		Pune Pune	
220		Wastern Chata UNECCO Ward I		C Manuth
320		Western Ghats-UNESCO World	PES Modern	6 Month
	Singh Pranav Sandeep	Heritage Site	College of	
			Pharmacy, Nigdi	
			Pune	
321		Western Ghats-UNESCO World	PES Modern	6 Month
	Sonawane Rohit Raju	Heritage Site	College of	
	Solia wallo Itoliit Itaja		Pharmacy, Nigdi	
			Pune	
322		Western Ghats-UNESCO World	PES Modern	6 Month
	Sudke Vedenti Poisch	Heritage Site	College of	
	Sudke Vedanti Rajesh		Pharmacy, Nigdi	
			Pune	
323		California Wild Fires	PES Modern	6 Month
	T1-1: 171 (** 17 1 **		College of	
	Tamboli Khatija Kondaji		Pharmacy, Nigdi	
			Pune	
324		California Wild Fires	PES Modern	6 Month
			College of	
	Tapsale Aaryan Arun		Pharmacy, Nigdi	
			Pune	
325		California Wild Fires	PES Modern	6 Month
323	Thombare Sanika	Camorna wild rifes		O IVIOIIIII
			College of	
	Dnyaneshwar		Pharmacy, Nigdi	
			Pune	





326		Kaas Plateau- UNESCO World	PES Modern	6 Month
320		Heritage site	College of	
	Thorat Kirti Babulal	Tremage site	Pharmacy, Nigdi	
			Pune	
327		Kaas Plateau- UNESCO World	PES Modern	6 Month
327		Heritage site	College of	o iviolitii
	Vairat Uddhav Bhanudas	Trentage site	Pharmacy, Nigdi	
			Pune	
328		Kaas Plateau- UNESCO World	PES Modern	6 Month
		Heritage site	College of	
	Vayal Shreya Sandeep		Pharmacy, Nigdi	
			Pune	
329		Cheetah Reintroduction in Kuno	PES Modern	6 Month
	Verulkar Sanchay	National Park	College of	
	Shaligram		Pharmacy, Nigdi	
	8		Pune	
330		Cheetah Reintroduction in Kuno	PES Modern	6 Month
	Wadgave Dnyaneshwar	National Park	College of	
	Chandrakant		Pharmacy, Nigdi	
			Pune	
331		Cheetah Reintroduction in Kuno	PES Modern	6 Month
		National Park	College of	
	Wadhai Gaurang Anant		Pharmacy, Nigdi	
			Pune	
332		Cheetah Reintroduction in Kuno	PES Modern	6 Month
	Waghmode Harshad	National Park	College of	
	Dhanaji		Pharmacy, Nigdi	
			Pune	
333			Haffkine Bio-	1 Day
	Piyush Mahesh Adhav	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
334			Haffkine Bio-	1 Day
	Sahil Anil Amble	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
335			Haffkine Bio-	1 Day
	Hitesh Yashwant Attarde	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
336			Haffkine Bio-	1 Day
	Pradnya Kallyan Autade	Third year B.Pharm Industrial Visit to	Pharmaceutical	-
	<u> </u>	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
337	Aditus I syman		Haffkine Bio-	1 Day
	Aditya Laxman	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Babhalkar	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
338			Haffkine Bio-	1 Day
	Snehal Sanjay Bagade	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	<i>3 , </i>	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
		<u> </u>	, <u>t</u>	1





339			Haffkine Bio-	1 Day
339	Rohit Anil Baheti	Third year P Dhorm Industrial Visit to	Pharmaceutical	1 Day
	Kollit Allii Balleti	Third year B.Pharm Industrial Visit to		
240		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1 D
340			Haffkine Bio-	1 Day
	Sakshi Ashok Barangule	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
341	Sayali Narayan		Haffkine Bio-	1 Day
	Bhagawat	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Bhagawat	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
342			Haffkine Bio-	1 Day
	Trupti Sudhir Bhangare	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
343	G 1 N 1		Haffkine Bio-	1 Day
	Sohan Narendra	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Bharambe	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
344			Haffkine Bio-	1 Day
516	Vrushali Ravindra	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 2 4 3
	Bharate	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
345		Thanking Bio I narmaccuticai LID	Haffkine Bio-	1 Day
343	Ashvini Iiiaram Dharmal	Third waar D Dharm Industrial Visit to	Pharmaceutical	1 Day
	Ashwini Jijaram Bharmal	Third year B.Pharm Industrial Visit to		
246		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1.0
346			Haffkine Bio-	1 Day
	Sakshi Sandip Bharti	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
347			Haffkine Bio-	1 Day
	Aniket Vinod Bhise	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
348			Haffkine Bio-	1 Day
	Devang Ramesh Bhokare	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
349			Haffkine Bio-	1 Day
	Bhumika Kishor Bhole	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
350			Haffkine Bio-	1 Day
	Rutuja Subrao Bhosale	Third year B.Pharm Industrial Visit to	Pharmaceutical	5
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
351		There are a marinaceatical L1D	Haffkine Bio-	1 Day
331	Sneha Satish Bhusare	Third year B.Pharm Industrial Visit to	Pharmaceutical	Day
	Sheha Saush Dhusare	Haffkine Bio-Pharmaceutical LTD		
250		Harring Dio-Fharmaceutical LTD	LTD, Pimpri Pune.	1 Dev
352	A 11/1 C - 11 - 1	Third are D. Dhann, J. 1, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Haffkine Bio-	1 Day
	Aditi Sanjay Bonde	Third year B.Pharm Industrial Visit to	Pharmaceutical	
2-5		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1.5
353			Haffkine Bio-	1 Day
	Anushka Dilip Boraste	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
354			Haffkine Bio-	1 Day
	Vidya Dilip Chaudhari	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	





355			Haffkine Bio-	1 Day
333	Chinmayee Yuvraj	Third year P Dharm Industrial Visit to	Pharmaceutical	1 Day
	Chavan	Third year B.Pharm Industrial Visit to Haffkine Bio-Pharmaceutical LTD		
25.6		Harrine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1 D
356			Haffkine Bio-	1 Day
	Pratik Arun Chavan	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
357			Haffkine Bio-	1 Day
	Siddhi Sangram Chavan	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
358			Haffkine Bio-	1 Day
	Arti Anil Choudhari	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
359			Haffkine Bio-	1 Day
	Prachi Keshav Dadewad	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Tracin Resnav Badewad	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
360		Transmic Bio-i narmaccutical E1B	Haffkine Bio-	1 Day
300	Yashraj Ravindra	Third was a D. Dhama Industrial West to		1 Day
	Dhamale	Third year B.Pharm Industrial Visit to	Pharmaceutical	
2.1		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	4 -
361	Akanksha Krishna		Haffkine Bio-	1 Day
	Dhanawade	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Diana wade	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
362			Haffkine Bio-	1 Day
	Sanket Sanjay Dhangare	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
363			Haffkine Bio-	1 Day
	Om Kalu Dhengale	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	8	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
364			Haffkine Bio-	1 Day
301	Gayatri Yogesh Dhepe	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Day
	Gayatti Togesh Bhepe	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
265		Trankine Bio-i narmaceuticai LTD	Haffkine Bio-	1 Dov
365	g ::g , 1 D1			1 Day
	Swamini Santosh Dhere	Third year B.Pharm Industrial Visit to	Pharmaceutical	
2 -		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1.5
366			Haffkine Bio-	1 Day
	Soham Shekhar Doshi	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
367			Haffkine Bio-	1 Day
	Shruti Bharat Gadhave	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
368			Haffkine Bio-	1 Day
	Sudhir Giridhar Gaikwad	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
369			Haffkine Bio-	1 Day
507	Vishal Sachin	Third year B.Pharm Industrial Visit to	Pharmaceutical	120,
	Gangawane	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
370		Tarrente Dio-i narmaccuttcai LTD	Haffkine Bio-	1 Doy
3/0		Third years D. Dhames Independed Mickey		1 Day
	Ashish Vishnu Garkal	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	





371			Haffkine Bio-	1 Day
3/1	Chrovech Arun Chuilser	Third year D Dharm Industrial Visit to	Pharmaceutical	1 Day
	Shreyash Arun Ghuikar	Third year B.Pharm Industrial Visit to		
272		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1 D
372	D: 1 D 1 G 1		Haffkine Bio-	1 Day
	Dipak Pandurang Gonde	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
373			Haffkine Bio-	1 Day
	Gore Vikas Madhukar	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
374	Bhargavi Govind		Haffkine Bio-	1 Day
	Govardhan	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Govardilali	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
375			Haffkine Bio-	1 Day
	Deepti Machindra Gunjal	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	ı J	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
376			Haffkine Bio-	1 Day
2.0	Rajesh Munja Gutte	Third year B.Pharm Industrial Visit to	Pharmaceutical	5
	Tingoon Titunga Gatte	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
377		Therefore Dio Thermaceuteur LID	Haffkine Bio-	1 Day
311	Pooja Shankar Hatkar	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Day
	1 00ja Shankar Hatkar	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
378		Harrine Bio-i narmaceuticai ETD	Haffkine Bio-	1 Dov
3/6		Third was a D. Dhama Industrial Wait to		1 Day
	Onkar Gajanan Jadhav	Third year B.Pharm Industrial Visit to	Pharmaceutical	
270		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1.5
379			Haffkine Bio-	1 Day
	Pranav Pramod Jadhav	Third year B.Pharm Industrial Visit to	Pharmaceutical	
200		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
380			Haffkine Bio-	1 Day
	Aditi Pratap Jagtap	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
381			Haffkine Bio-	1 Day
	Chaitali Navnath Jedhe	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
382			Haffkine Bio-	1 Day
	Sushil Krishna Jha	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
383			Haffkine Bio-	1 Day
	Rutuja Changdeo Kadam	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	, o	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
384			Haffkine Bio-	1 Day
501	Rajashree Dnyandeo	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 - 45
	Kale	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
385		Therefore Dio Thermaceuteur LID	Haffkine Bio-	1 Day
303	Siddhi Siddharth Kamble	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Day
	Siddin Siddharui Kamble	Haffkine Bio-Pharmaceutical LTD		
206		Harring Dio-Fharmaceutical LTD	LTD, Pimpri Pune.	1 Dev
386	Harshda Bholeshankar	Third was D. Dhame, L. de-tai-1 V. '.	Haffkine Bio-	1 Day
	Kamthe	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	





207			Hofflying Die	1 Dev
387	C 'D 1' 17 1		Haffkine Bio-	1 Day
	Gauri Pradip Karande	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
388	Akshay Chandrakant		Haffkine Bio-	1 Day
	•	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Karpe	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
389			Haffkine Bio-	1 Day
	Aditya Kumar Kasar	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
390		Transmit Bio I narinaceatical ETE	Haffkine Bio-	1 Day
370	Gaurav Pavan Kela	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Day
	Gaurav I avan Kera			
201		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1.5
391	~ · · · · · · · · · · · · · · · · · · ·		Haffkine Bio-	1 Day
	Sakshi Ravindra Khadse	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
392			Haffkine Bio-	1 Day
	Ankita Pralhad Khaire	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
393	D 4 1 27'4'		Haffkine Bio-	1 Day
	Prathamesh Nitin	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Khandge	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
394		Transmit Bio I naminated El B	Haffkine Bio-	1 Day
374	Gautami Santosh Khivansara	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Day
		Haffkine Bio-Pharmaceutical LTD		
205		Harrkine Dio-Filarmaceutical LTD	LTD, Pimpri Pune.	1 Day
395	Deep Kishorkumar		Haffkine Bio-	1 Day
	Bhisen	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
396			Haffkine Bio-	1 Day
	Purva Munjaji Korde	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
397	A 1-1-1-1-1-C-11		Haffkine Bio-	1 Day
	Abhishek Gokul	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Shendurkar	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
398			Haffkine Bio-	1 Day
570	Aditi Sadanand Nagle	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Tani Sadanana Magic	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
399		Transmic Dio-i narmaccutted L1D	Haffkine Bio-	1 Doy
377	A ::4 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Third was D Discour Last 11 177 114		1 Day
	Ajit Vishvanath Saini	Third year B.Pharm Industrial Visit to	Pharmaceutical	
400		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1.5
400			Haffkine Bio-	1 Day
	Akash Baburao Pawar	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
401	Chaitana Madhada		Haffkine Bio-	1 Day
	Chaitanya Madhukar	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Mali	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
402			Haffkine Bio-	1 Day
102	Deveshree Kiran Patil	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Devesince Kitan Faul	1		
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	





403			Haffkine Bio-	1 Day
403	Ganesh Pandurang	Third year D Dharm Industrial Visit to	Pharmaceutical	1 Day
	Survase	Third year B.Pharm Industrial Visit to		
404		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1 D
404	TT : 1 11 1 A 11 N 11		Haffkine Bio-	1 Day
	Hrishikesh Anil Nikam	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
405	Ishwari Shalikram		Haffkine Bio-	1 Day
	Masram	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Wasiani	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
406			Haffkine Bio-	1 Day
	Jay Dashrath Rajgor	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
407			Haffkine Bio-	1 Day
	Kajal Ganpat Thete	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Tagar Sampar There	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
408		That is a second of the second	Haffkine Bio-	1 Day
700	Komal D Wankhade	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Day
	romai d wankhaut	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
400		Harring Dio-Fharmaceutical LTD	Haffkine Bio-	1 Day
409	Mohammad Sameer			1 Day
	Rafik Shaikh	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
410			Haffkine Bio-	1 Day
	Neha Vijay Nevse	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
411			Haffkine Bio-	1 Day
	Pawan Ramrao Pawar	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
412			Haffkine Bio-	1 Day
	Prajakta Vikas Sathe	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	3	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
413			Haffkine Bio-	1 Day
.13	Pranaya Ramdas Nawale	Third year B.Pharm Industrial Visit to	Pharmaceutical	= 2 47
	Tanaja Kannaas Mawale	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
414		Talliance Dio I narmaccatical LID	Haffkine Bio-	1 Day
414	Pratham Umesh Pawar	Third year P Dharm Industrial Visit to	Pharmaceutical	1 Day
	i iauiaiii Oillesii Pawai	Third year B.Pharm Industrial Visit to		
415		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1 De
415	Prathamesh Rajesh		Haffkine Bio-	1 Day
	Panzade	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
416	Pratiksha Mahadev		Haffkine Bio-	1 Day
	Pawar	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	1 4 77 411	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
417	Promo Dodosobok		Haffkine Bio-	1 Day
	Prerna Dadasaheb	Third year B.Pharm Industrial Visit to	Pharmaceutical	_
	Pardeshi	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
418			Haffkine Bio-	1 Day
.10	Prerna Manohar Patil	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
		Tarrame Dio Tharmaceatteal LTD	LID, I impil I une.	1





419			Haffkine Bio-	1 Day
	Riya Shivaji Shirke	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	, ,	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
420			Haffkine Bio-	1 Day
	Sakshi Pravin Palve	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 2 43
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
421		Transmit Bio Transaccurca ETB	Haffkine Bio-	1 Day
121	Sandesh Bhausaheb	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Day
	Pawar	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
422		Transmic Bio Triannaceuticai ETB	Haffkine Bio-	1 Day
722	Sanika Anand Shelar	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Day
	Suma muna Sheiur	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
423		Transmic Bio-i narmaceuticai ETB	Haffkine Bio-	1 Day
423	Carada Viahal Chrinati	Third year D Dharm Industrial Visit to	Pharmaceutical	1 Day
	Sarode Vishal Shripati	Third year B.Pharm Industrial Visit to Haffkine Bio-Pharmaceutical LTD		
12.1		Harrine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	1 D
424	C1 D'II'- IZ II	Think and D. Dhann, J. J. (1977)	Haffkine Bio-	1 Day
	Sarvesh Dilip Kulkarni	Third year B.Pharm Industrial Visit to	Pharmaceutical	
10.5		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	4.5
425	Shadab Abdul Kadar		Haffkine Bio-	1 Day
	Shaikh	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
426	Shreyas Raghunath		Haffkine Bio-	1 Day
	Mohite Mohite	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Wollite	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
427			Haffkine Bio-	1 Day
	Shrushti Ananda Landge	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
428			Haffkine Bio-	1 Day
	Siddhi Sudhir Waghule	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	_	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
429			Haffkine Bio-	1 Day
	Srushti Dinesh Magade	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
430			Haffkine Bio-	1 Day
	Srushti Samir Phand	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
431	~		Haffkine Bio-	1 Day
131	Sukanya Kalyan	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 2 4 3
	Vyavahare	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
432		Therefore Division Di	Haffkine Bio-	1 Day
732	Swapnali Laxman	Third year B.Pharm Industrial Visit to	Pharmaceutical	Day
	Shedge	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
433		Harrance Dio-1 narmaceutical LTD	Haffkine Bio-	1 Day
433	Tanuia Davindra Datil	Third year P Dharm Industrial Visit to	Pharmaceutical	1 Day
	Tanuja Ravindra Patil	Third year B.Pharm Industrial Visit to Haffkine Bio-Pharmaceutical LTD		
424		панкіне віо-глагіпасеціїсаї L1D	LTD, Pimpri Pune.	1 Da
434	77'1 'D 1 34		Haffkine Bio-	1 Day
	Vaishnavi Dadarao More	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	





125			Haffkine Bio-	1 Day
435	Vaishnavi Machindra			1 Day
	Shingade	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
436			Haffkine Bio-	1 Day
	Vaishnavi Prakash Zond	Third year B.Pharm Industrial Visit to	Pharmaceutical	
		Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
437	W-:-1: C:1		Haffkine Bio-	1 Day
	Vaishnavi Sunil	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Lokhande	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
438			Haffkine Bio-	1 Day
150	Vijay Uttam Shinde	Third year B.Pharm Industrial Visit to	Pharmaceutical	1 Duy
	Vijay Ottam Sinnae	Haffkine Bio-Pharmaceutical LTD		
120		Harrine Bio-Fharmaceutical LTD	LTD, Pimpri Pune.	1.0
439	Vinayakashish Pradiprao		Haffkine Bio-	1 Day
	Kulkarni	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Transmi	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
440			Haffkine Bio-	1 Day
	Yash Dattatray Kudale	Third year B.Pharm Industrial Visit to	Pharmaceutical	
	-	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
441			Haffkine Bio-	1 Day
	Tanpure Ajinkya	Third year B.Pharm Industrial Visit to	Pharmaceutical	,
	Tumpuro Tijimiya	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
442		Harrine Bio-i narmaceuticai E1D	Haffkine Bio-	1 Day
442				1 Day
		Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Anjali Rajurwar	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
443			Haffkine Bio-	1 Day
		Third year B.Pharm Industrial Visit to	Pharmaceutical	
	Rutwik Pawar	Haffkine Bio-Pharmaceutical LTD	LTD, Pimpri Pune.	
444	Classification December 1	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Chaukate Prerana	Garden Visit at Empress Botanical	Garden Pune.	
	Adinath	Garden Pune.		
445		Second Year B.Pharm Botanical	Empress Botanical	1 Day
113	Chavan Arati Santosh	Garden Visit at Empress Botanical	Garden Pune.	1 Duy
	Chavan Man Danosii	Garden Pune.	Surden I une.	
110		Second Year B.Pharm Botanical	Empress Deteries	1 Day
446	Dhumekar Vedashree		Empress Botanical	1 Day
	Anil	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
447	Dudhade Devendra	Second Year B.Pharm Botanical	Empress Botanical	1 Day
		Garden Visit at Empress Botanical	Garden Pune.	
	Sanjay	Garden Pune.		
448		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Galande Shubham Vijay	Garden Visit at Empress Botanical	Garden Pune.	
	Caranac Sirabilani , ijay	Garden Pune.		
449		Second Year B.Pharm Botanical	Empress Potentical	1 Day
449	Chagana Nilash Dalaii		Empress Botanical	1 Day
	Ghogare Nilesh Balaji	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		4.5
450	Gosavi Deepali	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Shrikrushna	Garden Visit at Empress Botanical	Garden Pune.	
	Sinikiusiiiu	Garden Pune.		
		Oaruell I ulie.		





451		Second Year B.Pharm Botanical	Emprace Dotonical	1 Day
431	Hiremath Niraj		Empress Botanical	1 Day
	Sharanayya	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
452		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Ishte Kirti Dattatray	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
453		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Jadhav Rupesh Ramrao	Garden Visit at Empress Botanical	Garden Pune.	
	1	Garden Pune.		
454		Second Year B.Pharm Botanical	Empress Botanical	1 Day
15 1	Joshi Atharva Praful	Garden Visit at Empress Botanical	Garden Pune.	1 Day
	Joshi Atharva Frarui	Garden Pune.	Garden Fune.	
455			F D . 1	1 D
455		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Kamble Anushka Anil	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
456	Kamble Anushka	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Arvindkumar	Garden Visit at Empress Botanical	Garden Pune.	
	Aiviilukuillai	Garden Pune.		
457		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Kandekar Tejas Vijay	Garden Visit at Empress Botanical	Garden Pune.	
	3 3 3	Garden Pune.		
458		Second Year B.Pharm Botanical	Empress Botanical	1 Day
150	Kapse Yash Raju	Garden Visit at Empress Botanical	Garden Pune.	1 Day
	Kapse Tash Kaju	Garden Pune.	Garden Fune.	
450			Emmass Datariasl	1 Day
459	IZI ' D ' C 'I	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Khaire Pooja Sunil	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
460	Kulkarni Yash	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Balkrushna	Garden Visit at Empress Botanical	Garden Pune.	
	Baiki usiiiia	Garden Pune.		
461		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Mane Digvijay Bharat	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
462		Second Year B.Pharm Botanical	Empress Botanical	1 Day
102	Mathapati Tushar	Garden Visit at Empress Botanical	Garden Pune.	1
	Mallinath	Garden Pune.	Surdon i dilo.	
463		Second Year B.Pharm Botanical	Empress Botanical	1 Day
403	Mhetre Shweta Mohan		Garden Pune.	1 Day
	Milette Silweta Moliali	Garden Pune	Garuen Fune.	
4 < 4		Garden Pune.	D D	1.0
464	A 11 m 21 T	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Mulla Taufik Usman	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
465		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Nigade Nikita Nanasaheb	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
466	D 1 411	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Pande Aishwarya	Garden Visit at Empress Botanical	Garden Pune.	
	Narharirao	Garden Pune.		
		Cardon I ano.		I





467		Second Year B.Pharm Botanical	Empress Botanical	1 Day
107	Pathade Aditi Ambadas	Garden Visit at Empress Botanical	Garden Pune.	1 Duy
	Tattlade Aditi Allibadas	Garden Pune.	Garden i une.	
4.60		Second Year B.Pharm Botanical	E	1 D
468	DI II D .'' IV'		Empress Botanical	1 Day
	Phalke Pratik Kiran	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
469		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Raut Mahesh Digambar	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
470		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Reddy Mahesh Rajkumar	Garden Visit at Empress Botanical	Garden Pune.	
	-	Garden Pune.		
471		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Sabale Sahil Maruti	Garden Visit at Empress Botanical	Garden Pune.	,
		Garden Pune.	Carach Fanc.	
472		Second Year B.Pharm Botanical	Empress Botanical	1 Day
7/2	Sambare Dattatray	Garden Visit at Empress Botanical	Garden Pune.	1 Day
	Shrikrushna	Garden Visit at Empress Botainear Garden Pune.	Garden i une.	
473		Second Year B.Pharm Botanical	Empress Detaries1	1 Dov
4/3	0 1 175 1 01 ' 4		Empress Botanical	1 Day
	Sapkal Tushar Shrimant	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
474		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Sawant Omkar Ravindra	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
475		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Hendage Rohit Janardan	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
476		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Shinde Rohit Ananda	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
477		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Shirke Vaishnavi Vishnu	Garden Visit at Empress Botanical	Garden Pune.	,
	Silling varsinavi visina	Garden Pune.	Carach Fanc.	
478		Second Year B.Pharm Botanical	Empress Botanical	1 Day
770	Shirude Atharva	Garden Visit at Empress Botanical	Garden Pune.	1 Day
	Bhagwan	Garden Pune.	Garden i une.	
479		Second Year B.Pharm Botanical	Empraga Datanias1	1 Doy
4/9	Contakka Dutuia Winn		Empress Botanical	1 Day
	Sontakke Rutuja Kiran	Garden Visit at Empress Botanical	Garden Pune.	
400		Garden Pune.	T. D. I.	1.0
480	m.1. a a	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Talekar Sanika Sanjay	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
481		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Varat Tushar Rajabhau	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
482	W-1 1- Cl1	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Wakude Shrikrushna	Garden Visit at Empress Botanical	Garden Pune.	
	Santosh	Garden Pune.		
1		1	1	Ĭ.





102		Casand Vasa D Dhama Dataniasl	Emmaga Dataniaal	1 Day
483	XX7 11 1 TZ1 1'TZ'I	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Wankhede Khushi Kailas	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
484		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Yadav Amit Rajbali	Garden Visit at Empress Botanical	Garden Pune.	
	3	Garden Pune.		
485		Second Year B.Pharm Botanical	Empress Botanical	1 Day
1 403	Yeole Mrugaja Rajendra		Garden Pune.	1 Day
	i eole Milugaja Kajenura	Garden Visit at Empress Botanical	Garden Fune.	
10.6		Garden Pune.	D D 1 1	1.0
486	F	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Zinjurke Siddesh Kalyan	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
487	Dhagayat Dayanaha	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Bhagwat Dnyanoba	Garden Visit at Empress Botanical	Garden Pune.	
	Bochare	Garden Pune.		
488		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Bhosale Sanket Dattatray	Garden Visit at Empress Botanical	Garden Pune.	1 Duy
	Bilosaic Sanket Dattatray	Garden Visit at Empress Botainear Garden Pune.	Garden i une.	
400			Emmana Data da 1	1 Days
489	F 1 6::1 F 1	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Funde Girish Pramod	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
490	Ghadage Bhagyashree	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Babasaheb	Garden Visit at Empress Botanical	Garden Pune.	
	Babasaneb	Garden Pune.		
491		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Gore Vikas Ajinath	Garden Visit at Empress Botanical	Garden Pune.	
	001 0	Garden Pune.		
492		Second Year B.Pharm Botanical	Empress Botanical	1 Day
472	Hatakar Ivoti Dadasahah		Garden Pune.	1 Day
	Hatekar Jyoti Dadasaheb	Garden Visit at Empress Botanical	Garden Fulle.	
400		Garden Pune.		1.5
493		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Jadhav Pratiksha Vilas	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
494		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Jagtap Sayali Sunil	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
495		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Jamadade Dhanashri	Garden Visit at Empress Botanical	Garden Pune.	1 ,
	Santosh	Garden Visit at Empress Botainear Garden Pune.	Surden i une.	
106		Second Year B.Pharm Botanical	Empraga Datanical	1 Day
496	Lashkare Santoshi		Empress Botanical	1 Day
	Lakshman	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
497		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Navhale Sayali Jivan	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
498	D. d. J. A.P.	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Pathak Aditya	Garden Visit at Empress Botanical	Garden Pune.	
	Santoshrao	Garden Pune.		
		Ourdon I dno.		





499		Second Year B.Pharm Botanical	Empress Deterios1	1 Day
499	Devil Circle C. 1. 1		Empress Botanical	1 Day
	Patil Girish Sudesh	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
500	Shelmukar Rohit	Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Prashant	Garden Visit at Empress Botanical	Garden Pune.	
	1 rasiiaiii	Garden Pune.		
501		Second Year B.Pharm Botanical	Empress Botanical	1 Day
	Sonawane Sweety Ashok	Garden Visit at Empress Botanical	Garden Pune.	
		Garden Pune.		
502		Second Year B.Pharm Botanical	Empress Botanical	1 Day
302	Tavhare Omkar	Garden Visit at Empress Botanical	Garden Pune.	1 2 ")
	Shantaram	Garden Pune.	Carden I une.	
503		Second Year B.Pharm Botanical	Empraga Dataniaal	1 Day
303	Zoro Isia Damdas		Empress Botanical Garden Pune.	1 Day
	Zore Jaie Ramdas	Garden Visit at Empress Botanical	Garden Pune.	
50.4		Garden Pune.	D: 11	1.0
504			Bio-radius	1 Day
	Bakale Sayali Shivraj		Therapeutics	
	Danaio Sayan Siliviaj	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
505			Bio-radius	1 Day
	Dandas Tuskan Contro		Therapeutics	
	Bendga Tushar Santya	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
506			Bio-radius	1 Day
	Bhange Shardul		Therapeutics	5
	Santoshrao	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
507		at Dio radius Therapeuties Research	Bio-radius	1 Day
307				1 Day
	Chachar Mihir Sunil	Fourth Year Pharm D Industrial Visit	Therapeutics	
			Research	
700		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	1.0
508			Bio-radius	1 Day
	Chaturvedi Aakansha		Therapeutics	
	Devendra	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
509			Bio-radius	1 Day
	Dalai Aditan Nasarath		Therapeutics	
	Dalvi Aditya Navnath	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
510			Bio-radius	1 Day
			Therapeutics	1 2 ")
	Deokar Saakshi Shrikant	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
F 1 1		at Dio-radius Therapeutics Research	Ÿ	1 Days
511			Bio-radius	1 Day
	Desai Sumedh Sanjay	D 4 X D 5 X 4 X 3 X 3 X 3 X 3 X 3 X 3 X 3 X 3 X 3	Therapeutics	
		Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	





512			Bio-radius	1 Day
314			Therapeutics	1 Day
	Dhadge Savata Sanjay	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
513		at Bio-radius Therapeuties Research	Bio-radius	1 Day
313			Therapeutics	1 Day
	Dhas Vishal Khandu	Fourth Year Pharm D Industrial Visit	Research	
514		at Bio-radius Therapeutics Research	Hinjewadi, Pune. Bio-radius	1 Days
514	Dhawade Siddhi			1 Day
		Fourth Year Pharm D Industrial Visit	Therapeutics Research	
	Rajendra			
C15		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	1.0
515			Bio-radius	1 Day
	Gaikwad Abhijit		Therapeutics	
	Atmaram	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	1
516			Bio-radius	1 Day
	Holmukhe Payal Ganpat		Therapeutics	
	Tomickie Layar Gampat	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
517			Bio-radius	1 Day
	Jadhav Pratiksha Anil		Therapeutics	
	Jadnav Franksna Allii	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
518			Bio-radius	1 Day
	Jagtap Aishwarya		Therapeutics	
	Krishna	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
519		1	Bio-radius	1 Day
	Jha Tushar Sanjeev		Therapeutics	
	Kumar	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
520		and a constant control of the contro	Bio-radius	1 Day
520			Therapeutics	
	Kale Gauri Jagdish	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
521		at Dio facias finerapeaties research	Bio-radius	1 Day
541			Therapeutics	1 Day
	Kamble Padmaja Deepak	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
522		at Dio-radius Therapeutics Research	Bio-radius	1 Day
322				1 Day
	Khape Payal Sudhakar	Fourth Voor Phores D. In descript Will	Therapeutics	
	- · ·	Fourth Year Pharm D Industrial Visit	Research	
500		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	1.5
523			Bio-radius	1 Day
	Lavate Rutika Tukaram	D 11	Therapeutics	
		Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	





524			Bio-radius	1 Day
324	Lokhande Tallini		Therapeutics	1 Day
	Dhananjay	Fourth Year Pharm D Industrial Visit	Research	
	Dilailailjay			
505		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	1.0
525			Bio-radius	1 Day
	Manocha Vinay Tarun		Therapeutics	
	Transena vinay raran	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
526			Bio-radius	1 Day
	Mahan Alrahaya Cumash		Therapeutics	
	Meher Akshaya Suresh	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
527		1	Bio-radius	1 Day
			Therapeutics	
	Mirani Mihir Bharatbhai	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
520		at Bio-radius Therapeutics Research		1 Dov
528			Bio-radius	1 Day
	Pande Omkar Harihar	E day Di Balantan	Therapeutics	
		Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
529			Bio-radius	1 Day
	Darkha Tains Santash		Therapeutics	
	Parkhe Tejas Santosh	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
530			Bio-radius	1 Day
	55.		Therapeutics	
	Patil Ninad Bharat	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
531		at Bio Tadias Therapeaties Research	Bio-radius	1 Day
331			Therapeutics	1 Day
	Patil Pradnya Prakash	Fourth Year Pharm D Industrial Visit	Research	
500		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	1.5
532			Bio-radius	1 Day
	Patil Yash Anil		Therapeutics	
		Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
533			Bio-radius	1 Day
	Dono Dritish Viiov		Therapeutics	
	Rane Pritish Vijay	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	
534		1	Bio-radius	1 Day
			Therapeutics	
	Shelke Kanchan Arvind	Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research		
525		at Dio-radius Therapeutics Research	Hinjewadi, Pune.	1 Da
535			Bio-radius	1 Day
	Undale Akanksha Kishor		Therapeutics	
		Fourth Year Pharm D Industrial Visit	Research	
		at Bio-radius Therapeutics Research	Hinjewadi, Pune.	











PROJECT WORK

Second Year M. Pharm Research Project/Thesis



Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC



Best College Award by Savitribai Phule Pune University

pproved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to Savitribai Phule Puna University, Puna & Approved under Section 2 (f) & 12 (8) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. [M.S.] Tel.: 020-27661315 Fax: 020-27661314 E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudharl M.Pharm., Ph.D. Principal Prof. Dr. G. R. Ekbare M.S., M.N.A.M.S. Chairman, Business Council

Date- 16-06-2023

M.PHARM SECOND YEAR PHARMACEUTICAL QUALITY ASSURANCE PROJECT DETAILS 2022-2023

Roll no	Name	Research Topic	Guide Name
QA201	Agarkar samiksha surendra	Identification and Characterization of D- Limonene and Rosmarinic acid by HPTLC Analysis of Black caraway oil with antioxidant and antibacterial activities.	Dr.pallavi patil
QA202	Auti mayuri kashinath	Formulation and characterization of microcapsulated neem and castor oil in antiaging cream	Dr.A.S tapkir
QA203	Bamhale prerana ganesh	A comparative study of green synthesis, characterization and Anti-microbial activity of ZnO, Cu and AgNO3, Nanoparticles of sunflower honey.	Dr.A.Balap
QA204	Chattar harshada jitendra	Development of Polyherbal Anti-Dandruff Hair Shampoos	B.P.Pimple
QA205	Chaudhari shiyam anil	Development & Validation of High Perform ance Thin Layer chromatography method for estimation of Pioglitazone in bulk & Analytical marketed formulation by Green Approach.	Dr.K.S.Shaikh
QA206	Gholap abhijit balasahyeb	Formulation and evaluation of antiaging ointment containing micro capsulated turmeric and Jojoba oil.	Dr.A.S tapkir
QA207	Humnabadkar shubham chandrakant	Analytical quality by design (QBD) approach for Development and validation of HPLC method for lopinavir: Application to Hydrolytic, Thermal, Oxidative and Photolytic Degradation Kinetics	Dr.pallavi patil
QA208	Jadhav sidheshwar lobhaji	Design and synthesis of surface engineered mesoporous nanoparticles foe assessment of anticancer activity of capacitabine	Dr.Minal Harde
QA209	Jagtap kedar abhay	RP-HPLC Method Development & Validation of bulk & Pharmaceutical Dosage form	Mes.V.S.Bavadekar

STRIVING TOWARDS EXCELLENCE NONEVER

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's

OLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314 E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal

Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. airman, Business Cou

CHINAIN			hairman, Business Council
QA210	Kharate vrushali dattatraya	Development of validated Stability indicating HPTLC Method for estimation of Febuxostat in bulk and Tablet dosage form by QBD approach.	Dr.M.C Kuchekar
QA211	Niikalje rushikesh nitin	GC-MS and HPTLC Analysis of Hibiscus sabdariffa Linn. and its antimicrobial activity with formulated nanoparticles	Dr.K.S Kakad
QA212	Patil ankkita pradeep	Design & Synthesis of fluorescent carbon dots and their applications.	Dr.Minal Harde
QA213	Salunkhe manisha sanjay	Green Chemistry Approach to Analytical method development & Validation For estimation of Telmisartan by using Ultraviolet spectrophotometric & High Performance Thin Layer Chromatography	Dr. K.S.Shaikh
QA214	Surryawanshi pratiksha mahade	Design, formulation and evaluation of polyherbal gel Formulation from Honey & Catharanthus-roseus flowers extracts for it's wound Healing Activity.	Dr.A.Balap
QA215	Thete dipali sanjay	Identification and Quantification of potential genotoxic impurities from Rilpivirine Hydrochloride By Chromatographic Technique	Dr V.V Chopde
QA216	Wadgave pooja bandappa	Quantification and validation of sildenafil in bulk and dosage form by High performance thin layer chromatography, High performance liquid chromatography and UV Spectroscopy by using Hydrotropic Agents	Dr V.V Chopde

Dr.K.S.Shaikh H.O.D

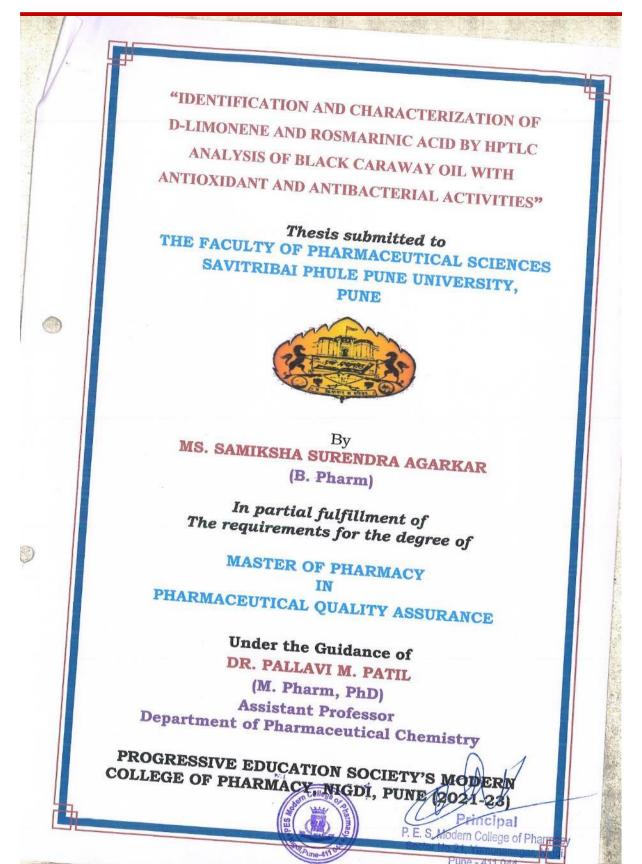
PRINCIPAL

Principal P. E. S. Modern College of Pharmacon Sector No.21, Yamunanagar, Nigui, Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER

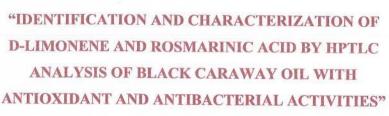












Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Samiksha Surendra Agarkar

(B. Pharm)

In partial fulfillment, of The requirements for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL QUALITY ASSURANCE

UNDER THE GUIDANCE OF
DR. Pallavi M. Patil
(M. Pharm, PhD)
Assistant Professor (Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE – 4 (2021-23)

(ACCREDITED BY NAAC AND NBA)

P. E. S. Modern College of Phan

Pune - 411 044.







SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. SAMIKSHA SURENDRA AGARKAR declare that the thesis entitled, "IDENTIFICATION AND CHARACTERIZATION OF D-LIMONENE AND ROSMARINIC ACID BY HPTLC ANALYSIS OF BLACK CARAWAY OIL WITH ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. PALLAVI M PATIL has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: |8/6/2023

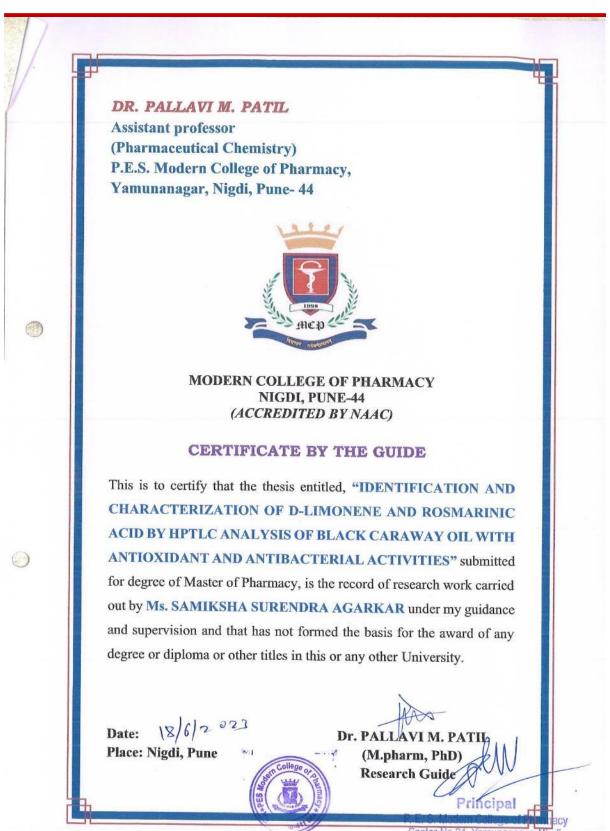
Place: Nigdi, Pune

Ms. Samiksha S Agarkar

Sector No.21, Yamunanagar, Nigo







Pune - 411 044.







Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "IDENTIFICATION AND CHARACTERIZATION OF D-LIMONENE AND ROSMARINIC ACID BY HPTLC ANALYSIS OF BLACK CARAWAY OIL WITH ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES" is a record of bonafide research work carried out by Ms. SAMIKSHA SURENDRA AGARKAR under the guidance of Dr. PALLAVI M. PATIL at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 18/6/2023

Place: Nigdi, Pune



Dr. P. D. Chaudhari Principal

Principal

Sector No.21, Yamunanaga Pune - 411 044.





"FORMULATION AND CHARACTERIZATION OF MICROENCAPSULATED NEEM AND CASTOR OILS IN ANTIAGING CREAM"

Thesis submitted to THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By Ms. AUTI MAYURI KASHINATH

(B. Pharm.)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY IN **Pharmaceutical Quality Assurance**

> Under the Guidance of Dr. AMIT S. TAPKIR

(M. Pharm. PhD)

Assistant Professor

(Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

> PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY,

> > NIGDI, PUNE,44

(2022-23)



r, Nigdi,





SAVITRIBAL PHULE PUNE UNIVERSITY



DECLARATION

I am MS. AUTI MAYURI KASHINATH declare that the thesis entitled "FORMULATION AND CHARACTERIZATION OF MICROENCAPSULATED NEEM AND CASTOR OILS IN ANTIAGING CREAM" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. AMIT S. TAPKIR has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 13/66/2023

Place: Nigdi, Pune

Ms. Auti Mayuri Kashinath







PES's, MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. AMIT S. TAPKIR

Assistant Professor, Department of Pharmaceutical Chemistry, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND CHARACTERIZATION OF MICROENCAPSULATED NEEM AND CASTOR OILS IN ANTIAGING CREAM" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MS. AUTI MAYURI **KASHINATH** under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 13/06/2023 Place: Nigdi, Pune

Dr. Amit S. Tapkir Research Guide

Principal

P. E. S. Modern College of Pharmacy







PES's, MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. KARIMUNNISA S. SHAIKH

Head of Department, (Pharmaceutical Quality Assurance) PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND CHARACTERIZATION OF MICROENCAPSULATED NEEM AND CASTOR OILS IN ANTIAGING CREAM" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MS. AUTI MAYURI KASHINATH under the guidance and supervision of DR. AMIT S. TAPKIR at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 13/66/2023

Place: Nigdi, Pune

Dr. Karimunnisa S. Shaikh

P. E. S. Modern College of Pharmacy

Pune - 411 044







PES's, MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "FORMULATION AND CHARACTERIZATION OF MICROENCAPSULATED NEEM AND CASTOR OILS IN ANTIAGING CREAM". For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MS. AUTI MAYURI KASHINATH under the guidance of DR. AMIT S. TAPKIR at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 13/06/2023

Place: Nigdi, Pune

P.D. Chaudhari Principal

Principal
P. E. S. Modern College of Pharma

Pune - 411 044





A COMPARATIVE STUDY OF GREEN SYNTHESIS, CHARACTERIZATION AND ANTI-MICRCOBIAL ACTIVITY OF ZnO, Cu AND AgNO3, NANOPARTICLES OF SUNFLOWER HONEY

> Thesis submitted to THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Prerana Ganesh Bambale

(M. Pharm.)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY

Pharmaceutical Quality Assurance

Under the Guidance of

Dr. A.R. BALAP

(M. Pharm. PhD)

Associate Professor

(Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (2022-23)







SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. PRERANA GANESH BAMBALE declare that the thesis entitled "A COMPARATIVE STUDY OF GREEN SYNTHESIS, CHARACTERIZATION AND ANTI-MICRCOBIAL ACTIVITY OF ZnO, Cu AND AgNO3, NANOPARTICLES OF SUNFLOWER HONEY" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. A.R. BALAP has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 15/6/2023

P. G. Bambule
Ms. PRERANA GANESH BAMBALE

Place: Pune







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. A. R. BALAP

Associate Professor, Department of Pharmaceutical Chemistry, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "A COMPARATIVE STUDY OF GREEN SYNTHESIS, CHARACTERIZATION AND ANTI-MICRCOBIAL ACTIVITY OF ZnO, Cu AND AgNO3, NANOPARTICLES OF SUNFLOWER HONEY", submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by Ms. PRERANA GANESH BAMBALE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 15/06/2023

Place: Pune

Dr. A.R. BALAP Research Guide







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "A COMPARATIVE STUDY OF GREEN SYNTHESIS, CHARACTERIZATION AND ANTI-MICRCOBIAL ACTIVITY OF ZnO, Cu AND AgNO3, NANOPARTICLES OF SUNFLOWER HONEY" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by Ms. PRERANA GANESH BAMBALE under the guidance and supervision of Dr.A.R.BALP. at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 15/0/2023

Place: Pune

Dr. Karimunnisa S. Shaikh HOD







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamuna Nagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "A COMPARATIVE STUDY OF GREEN SYNTHESIS, CHARACTERIZATION AND ANTI-MICRCOBIAL ACTIVITY OF ZnO, Cu AND AgNO3, NANOPARTICLES OF SUNFLOWER HONEY" for the MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by Ms. PRERANA GANESH BAMBALE under the guidance of DR.A.R. BALAP at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023

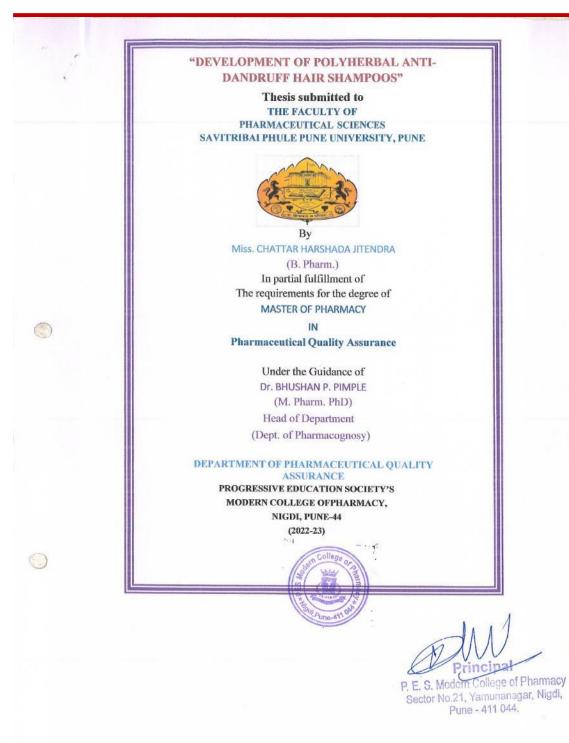
Date: 15/6/2023

Place: Nigdi, Pune

Dr. P.D. Chaudhari Principal











SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MISS. CHATTAR HARSHADA JITENDRA declare that the thesis entitled "DEVELOPMENT OF POLYHERBAL ANTI-DANDRUFF SHAMPOOS" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. BHUSHAN P. PIMPLE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 16/06/23

Miss. CHATTAR HARSHADA JITENDRA

Place: Pune



()





PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. BHUSHAN P. PIMPLE

Head of Department, (PHARMACOGNOSY) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "DEVELOPMENT OF POLYHERBAL ANTI-DANDRUFF SHAMPOOS" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MISS. CHATTAR HARSHADA JITENDRA under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

Place: Pune

Dr. Bhushan P. Pimple
Research Guide







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "DEVELOPMENT OF POLYHERBAL ANTI-DANDRUFF SHAMPOOS" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MISS. CHATTAR HARSHADA JITENDRA under the guidance and supervision of DR. BHUSHAN P. PIMPLE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23 Place: Pune

Dr. Karimunnisa S. Shaikh HOD







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "DEVELOPMENT OF POLYHERBAL ANTI-DANDRUFF SHAMPOOS". For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MISS. CHATTAR HARSHADA JITENDRA under the guidance of DR. BHUSHAN P. PIMPLE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2021-2022.

Date: 16/6/23

Place: Nigdi, Pune

Dr. P.D. Chaudhari Principal







Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. CHAUDHARI SHIVAM ANIL

(B. Pharm.)

In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN

Pharmaceutical Quality Assurance

Under the Guidance of
Dr. KARIMUNNISA S. SHAIKH
(M. Pharm. PhD)
Head of Department
(Dept. of Pharmaceutical Quality Assurance)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY,

NIGDI, PUNE-44





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. CHAUDHARI SHIVAM ANIL declare that the thesis entitled "DEVELOPMENT AND VALIDATION OF HPTLC METHOD FOR ESTIMATION OF PIOGLITAZONE IN BULK AND MARKETED FORMULATIONS BY GREEN APPROACH" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. KARIMUNNISA S. SHAIKH has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 18/06/231

Place: Pune

Mr. CHAUDHARI SHIVAM ANIL

P. E. S. Modern College of Pharmacy

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "DEVELOPMENT AND VALIDATION OF HPTLC METHOD FOR ESTIMATION OF PIOGLITAZONE IN BULK AND MARKETED FORMULATIONS BY GREEN APPROACH" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. CHAUDHARI SHIVAM ANIL under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 18/06/23

Place: Pune

Dr. Karimunnisa S. Shaikh Research Guide

Principal







PES'S MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

MRS. SHEETAL CHAUDHARI

Assistant Professor, Department of Pharmaceutical Chemistry, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44

CERTIFICATE BY THE CO-GUIDE

This is to certify that the research work presented in this thesis entitled, "DEVELOPMENT AND VALIDATION OF ESTIMATION AND MARI **HPTLC** METHOD FOR OF PIOGLITAZONE IN BULK MARKETED FORMULATIONS BY GREEN APPROACH" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. CHAUDHARI SHIVAM ANIL under my co-guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 18/6/23 Place: Pune

Mrs. Sheetal Chaudhari Research Co-Guide







DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "DEVELOPMENT AND VALIDATION OF HPTLC METHOD FOR ESTIMATION OF PIOGLITAZONE IN BULK AND MARKETED FORMULATIONS BY GREEN APPROACH" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. CHAUDHARI SHIVAM ANIL under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 18/06/23

Place: Pune

Dr. Karimunnisa S. Shaikh







DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "DEVELOPMENT AND VALIDATION OF HPTLC METHOD FOR ESTIMATION OF PIOGLITAZONE IN BULK AND MARKETED FORMULATIONS BY GREEN APPROACH". For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MR. CHAUDHARI SHIVAM ANIL under the guidance of DR. KARIMINNISA S. SHAIKH at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2021-2022.

Date: 18/6/23 Place: Nigdi, Pune Dr. P.D. Chaudhari Principal

PES NO SHEET OF SHEET

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

E. S. Modern College of Pharmacy





"FORMULATION AND EVALUATION OF ANTIAGING OINTMENT CONTAINING MICROENCAPSULATED TURMERIC AND JOJOBA OIL"

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By MR. GHOLAP ABHIJIT BALASAHEB

(B. Pharm)

In partial fulfillment of,

The requirements for the degree of

MASTER OF PHARMACY IN Pharmaceutical Quality Assurance

Under the Guidance of DR. AMIT S. TAPKIR (M. Pharm. PhD)

Assistant Professor

(Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF HARMACY, NIGDI, PUNE 44

(2022-23)

P. E. S. Modern Cettege of Ph Sector NA 7 Yanuarangar,

Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. GHOLAP ABHIJIT BALASAHEB declare that the thesis entitled "FORMULATION AND EVALUATION OF ANTIAGING **OINTMENT** CONTAINING MICROENCAPSULATED TURMERIC AND JOJOBA OIL" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. AMIT S. TAPKIR has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: |6/6/23

Place: Nigdi, Pune

Mr. GHOLAP ABI

P. E. S. Modern Cottege of Pharmacy







PES's, MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. AMIT S. TAPKIR

Associate Professor, Department of Pharmaceutical Chemistry, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF ANTIAGING OINTMENT CONTAINING MICROENCAPSULATED TURMERIC AND JOJOBA OIL" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. GHOLAP ABHIJIT BALASAHEB under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23Place: Nigdi, Pune College Organia College Organi

Dr. Amit S. Tapkir Research Guide

Sector No.21, Yamunanagar, Nigdi Pune - 411 044.







DR. KARIMUNNISA S. SHAIKH

Head of Department, (Pharmaceutical Quality Assurance) PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF ANTIAGING OINTMENT CONTAINING MICROENCAPSULATED TURMERIC AND JOJOBA OIL" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. GHOLAP ABHIJIT BALASAHEB under the guidance and supervision of DR. AMIT S. TAPKIR at P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23 Place: Nigdi, Pune hormacy

Dr. Karimunnisa S. Shaikh

P. E. S. Modern College of Pharmacy

Pune - 411 044







DR. P. D. CHAUDHARI

Principal,
PES's, Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "FORMULATION AND EVALUATION OF ANTIAGING OINTMENT CONTAINING MICROENCAPSULATED TURMERIC AND JOJOBA OIL" For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried

out by MR. GHOLAP ABHIJIT BALASAHEB under the guidance of DR. AMIT S. TAPKIR at P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 during the academic year 2022-2023.

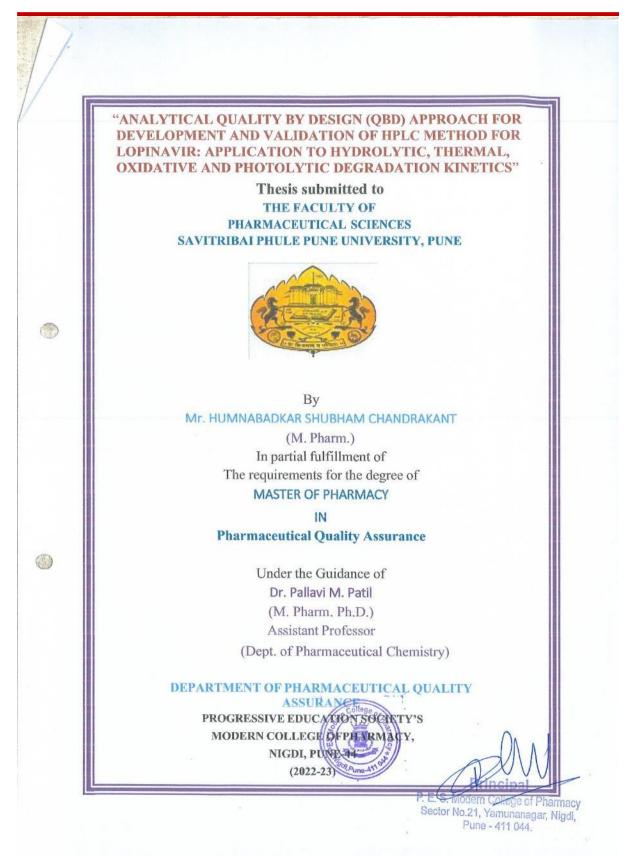
Date: 16/6/23 Place: Nigdi, Pune Dr. P.D. Chardhar Principal

Principal
P. E. S. Modern College of Pharma

Pune - 411 044















DECLARATION

MR. HUMNABADKAR SHUBHAM am CHANDRAKANT declare that the entitled thesis "ANALYTICAL QUALITY BY DESIGN (QBD) APPROACH FOR DEVELOPMENT AND VALIDATION OF HPLC METHOD FOR LOPINAVIR: APPLICATION TO HYDROLYTIC, THERMAL, OXIDATIVE AND PHOTOLYTIC DEGRADATION KINETICS" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. PALLAVI M. PATIL has not formed the basis for the award of any degree or diploma or other titles in this any other or university/organization

Date: 15/66/23

Place: Pune

r. HUMNÁBADKAR SHUBHAM CHANDRAKANT

> Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







DR. PALLAVI M. PATIL

Associate Professor, Department of Pharmaceutical Chemistry, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "ANALYTICAL QUALITY BY DESIGN (QBD) APPROACH FOR DEVELOPMENT AND VALIDATION OF HPLC METHOD FOR LOPINAVIR: APPLICATION TO HYDROLYTIC, THERMAL, OXIDATIVE AND PHOTOLYTIC DEGRADATION KINETICS" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. HUMNABADKAR SHUBHAM CHANDRAKANT under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

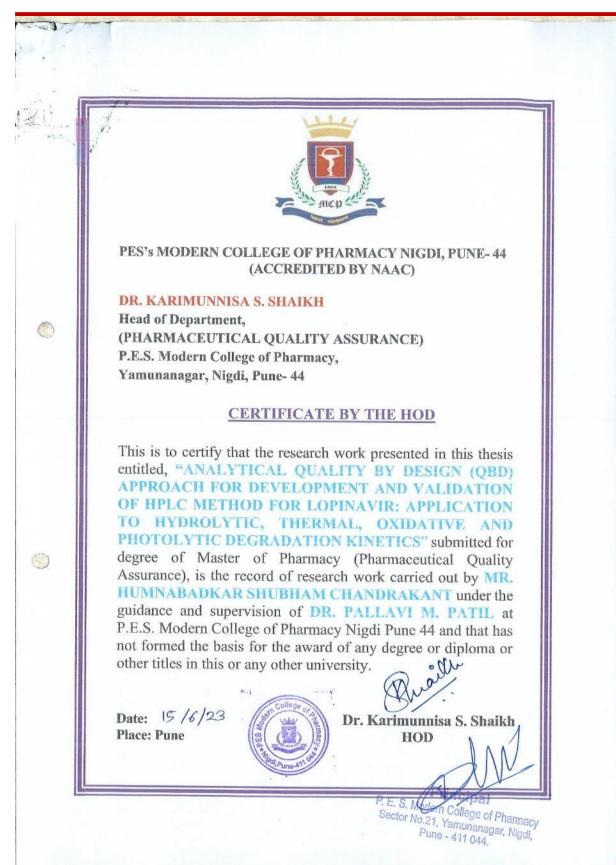
Date: 15/6/23

Place: Pune















DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "ANALYTICAL QUALITY BY DESIGN (QBD) APPROACH FOR DEVELOPMENT AND VALIDATION OF HPLC METHOD FOR LOPINAVIR: APPLICATION TO HYDROLYTIC, THERMAL, OXIDATIVE AND PHOTOLYTIC DEGRADATION KINETICS". For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MR. HUMNABADKAR SHUBHAM CHANDRAKANT under the guidance of DR. PALLAVI M. PATIL at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 15/6/23

Place: Nigdi, Pune

A) Chadhari Principal





"DESIGN AND SYNTHESIS OF MESOPOROUS ALUMINA NANOPARTICLES FOR ASSESSMENT OF ANTICANCER ACTIVITY OF CAPECITABINE"

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By Mr. JADHAV SIDHESHWAR LOBHAJI

(B. Pharm.)
In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN Pharmaceutical Quality Assurance

Under the Guidance of
Dr. MINAL. T. HARDE
(M. Pharm. PhD)
Assistant Professor
(Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, NIGDI, PUNE-44 (2022-23)









DR. MINAL.T. HARDE

Associate Professor, Department of Pharmaceutical chemistry, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "DESIGN AND SYNTHESIS OF MESOPOROUS ALUMINA NANOPARTICLES FOR ASSESSMENT OF ANTICANCER ACTIVITY OF CAPECITABINE" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. JADHAV SIDHESHWAR LOBHAJI under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 19/6/23

Place: Pune

Dr. Minal T. Harde Research Guide







DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "DESIGN AND SYNTHESIS OF MESOPOROUS ALUMINA NANOPARTICLES FOR ASSESSMENT OF ANTICANCER ACTIVITY OF CAPECITABINE". For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MR. JADHAV SIDHESHWAR LOBHAJI under the guidance of DR. MINAL T. HARDE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2021-2022.

Date: 19/6/23 Place: Nigdi, Pune Dr. D.D. Chaudhari Principal

APrincipal
S. Modern College of Pharmacy

Pune - 411 044.





"RP-HPLC Method Development and Validation of Bulk and Pharmacetical Dosage form"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



Mr. KEDAR ABHAY JAGATAP

(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL QUALITY ASSURANCE

UNDER THE GUIDANCE OF

Dr. P. D. CHADHAURI

(M. Pharm, PhD)
Principal
P.E.S. Modern College of Pharmacy, Nigdi, Pune

Mrs. V. S. BAVADEKAR

(M. Pharm)
Assistant professor
(Dept of Pharmaceutical chemistry)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDL PUNE 44

(2022 - 2023)

 P. D. Wodern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Mr. Kedar Abhay Jagtap declare that the thesis entitled, "RP-HPLC Method Development and Validation of in Bulk and Pharmacetical Dosage form" submitted by me for degree of 'Master of Pharmacy' is the record of work carried out by me under the guidance of Dr. P. D. Chaudhari and Mrs. V. S. Bavadekar and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 15 06 2023

Place: pune

Mr. KEDAR A. JAGTAP

College or Amo-Stroke



0



P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "RP-HPLC Method Development and Validation of in Bulk and Pharmaceutical Dosage form", submitted for degree of Masterof Pharmacy, is the record of research work carried out by her under my guidanceand supervision and that this has not formed the basis for the award of any degreeor diploma or other titles in this or any other University.

Date: 15/06/2023

Place: Pune

Mrs. V. S. Bavadekar

(M. Pharm)

Research Co-Guide

P. E. S. Medern Cellege of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

4







DR. KARIMUNNISA .S .SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "RP-HPLC method development and validation of bulk and pharmaceutical dosage form" submitted for degree of Master of Pharmacy (Pharmaceutical quality assurance), is the record of research work carried out by Mr. KEDAR ABHAY JAGTAP under my guidance and supervision of DR. P.D. CHAUDHARI at P.E.S modern college of pharmacy nigdi pune 44 and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 15/06/2023

Place: Pune

r. KARIMUNNISA S. SHAIKH

Sector No.21 Y

Pune - 411 044





"Development of validated stability indicating HPTLC method for estimation of Febuxostat in bulk and Tablet dosage form by QBD Approach"

Thesis submitted to

THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By Ms. KHARATE VRUSHALI DATTATRAYA

(B. Pharm.)
In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN
Pharmaceutical Quality Assurance

Under the Guidance of Dr. MOHINI C. KUCHEKAR (M. Pharm. PhD) Associate professor (Dept. of Pharmacognosy)

DEPARTMENT OF PHARMACEUTICAL QUALITY
ASSURANCE COLLEGE

PROGRESSIVE EDUCATION SOCIETY MODERN COLLEGE OF HARMACY, NIGDI, PUNE 14 (2022-23)





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MS. KHARATE VRUSHALI DATTATRAYA declare that the thesis entitled "Development of validated stability indicating HPTLC method for estimation of Febuxostat in bulk and Tablet dosage form by QBD Approach" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. MOHINI C. KUCHEKAR has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 16/6/23 Ms. KHARATE VRUSHALI DATTATRAYA

Place: Pune







DR. MOHINI C, KUCHEKAR

Associate Professor, Department of Pharmacognosy, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "Development of validated stability indicating HPTLC method for estimation of Febuxostat in bulk and Tablet dosage form by QBD Approach" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MS. KHARATE VRUSHALI DATTATRAYA under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/2

Place: Pune

Dr. Mohini C. Kuchekar Research Guide







DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "Development of validated stability indicating HPTLC method for estimation of Febuxostat in bulk and Tablet dosage form by QBD Approach" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MS. KHARATE VRUSHALI DATTATRAYA under guidance and supervision of DR. MOHINI C. KUCHEKAR at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

Place: Pune

Dr. Karimunnisa S. Shaikh HOD



()





PES'S MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Development of validated stability indicating HPTLC method for estimation of Febuxostat in bulk and Tablet dosage form by QBD Approach". For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MS. KHARATE VRUSHALI DATTATRAYA under the guidance of DR. MOHINI C. KUCHEKAR at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: |6/6/23 Place: Nigdi, Pune

Dr.P.D. Chaudhari Principal

Principal





"GC-MS AND HPTLC ANALYSIS OF HIBISCUS SABDARIFFA LINN. AND ITS ANTIMICROBIAL ACTIVITY WITH FORMULATED NANOPARTICLES"

Thesis submitted to

THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By Mr. NIKALJE RUSHIKESH NITIN

(B. Pharm.)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY

IN

Pharmaceutical Quality Assurance

Under the Guidance of Dr. KALYANI S. KAKAD

(M. Pharm. PhD)

Associate Professor

(Dept. of Pharmacognosy)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OFPHARMACY.

NIGDI, PUNE-44

2022-2

E. S. Modern College of Pharm

Pune - 411 044





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. NIKALJE RUSHIKESH NITIN declare that the thesis entitled "GC-MS AND HPTLC ANALYSIS OF HIBISCUS SABDARIFFA LINN. AND ITS ANTIMICROBIAL ACTIVITY WITH FORMULATED NANOPARTICLES" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. KALYANI S. KAKAD has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 14/6/23

Place: Pune

Mr. NIKALJE RUSHIKESH NITIN







DR. KALYANI S. KAKAD

Associate Professor, Department of Pharmacognosy, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

entitled, "GC-MS AND HPTLC ANALYSIS OF HIBISCUS SABDARIFFA LINN. AND ITS ANTIMICROBIAL ACTIVITY WITH FORMULATED NANOPARTICLES" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. NIKALJE RUSHIKESH NITIN under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

This is to certify that the research work presented in this thesis

Date: 14/6/23

Place: Pune

Sac College Of Organia action of the College Of Organia action of

Dr. Kalyani S. Kakad Research Guide

P. E. S. Modern College of Pharmacy

Pune - 411 044.







DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "GC-MS AND HPTLC ANALYSIS OF HIBISCUS SABDARIFFA LINN. AND ITS ANTIMICROBIAL ACTIVITY WITH FORMULATED NANOPARTICLES" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MR. NIKALJE RUSHIKESH NITIN under the guidance and supervision of DR. KALYANI S. KAKAD at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Pune

Dr. Karimunnisa S. Shaikh

HOD

E.S. Modern College of Pharmacy

Pune - 411 044.







DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "GC-MS AND HPTLC ANALYSIS OF HIBISCUS SABDARIFFA LINN. AND ITS ANTIMICROBIAL ACTIVITY WITH FORMULATED NANOPARTICLES". For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MR. NIKALJE RUSHIKESH NITIN under the guidance of DR. KALYANI S. KAKAD at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 14/6/23 Place: Nigdi, Pune Dr. P.D. Chaudha Principal





"DESIGN AND SYNTHESIS OF FLUROSCENT CARBON DOTS AND THEIR APPLICATIONS"

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
MISS. PATIL ANKITA PRADEEP

(B. Pharm.)
In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN
Pharmaceutical Quality Assurance

Under the Guidance of
Dr. MINAL. T. HARDE
(M. Pharm. PhD)
Assistant Professor
(Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, NIGDI, PUNE-44 (2022-23)









DR. MINAL, T. HARDE

Associate Professor, Department of Pharmaceutical chemistry, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "DESIGN AND SYNTHESIS OF FLUROSCENT **CARBON DOTS AND THEIR APPLICATIONS"** submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MISS.PATIL ANKITA PRADEEP under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 17/6/23

Place: Pune

Dr. Minal T. Harde Research Guide

P. E. S. Modern

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

College of Pharmacy







DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "DESIGN AND SYNTHESIS OF FLUROSCENT CARBON DOTS AND THEIR APPLICATIONS" For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MISS PATIL ANKITA PRADEEP under the guidance of DR. MINAL T. HARDE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2021-2022.

Date: 17/6/23 Place: Nigdi, Pune

Dr. P.D. Chaudhari Principal Principal





"Green Chemistry Approach to Analytical Method Development and Validation for Estimation of Telmisartan by Using Ultraviolet Spectroscopy and High Performance Thin Layer Chromatography"

Thesis submitted to THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MISS.SALUNKHE MANISHA SANJAY

(B. Pharm.) Impartial fulfillment of The requirements for the degree of MASTER OF

PHARMACY

IN

Pharmaceutical Quality Assurance

Under the Guidance of Dr. KARIMUNNISA S. SHAIKH (M. Pharm. PhD) HEAD OF DEPARTMENT-

(Dept. of Pharmaceutical Quality Assurance)

DEPARTMENT OF PHARMACEUTICAL QUALITY

PROGRESSIVE EDUCATION SOCIETY'S





MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (2022-23)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MISS. SALUNKHE MANISHA SANJAY declare that the thesis entitled "GREEN CHEMISTRY APPROACH TO ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR ESTIMATION OF TELMISARTAN BY USING ULTRAVIOLET SPECTROSCOPY AND HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. KARIMUNNISA S. SHAIKH has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization.

Date: 16/6/23

ollegMASS. SALUNKHE MANISHA SANJAY

Place: Pune

Principal







DR.KARIMUNNISA S. SHAIKH Head of Department, Department of Pharmaceutical Quality Assurance, P.E.S. Modern College of Pharmacy, Nigdi ,Pune-44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "GREEN CHEMISTRY APPROACH TO ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR ESTIMATION OF TELMISARTAN BY USING ULTRAVIOLET SPECTROSCOPY AND HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MISS. SALUNKHE MANISHA SANJAY under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

Place: Pune

Dr. KARIMUNNISA S. SHAIKH Research Guide

Principal







MRS. SHEETAL CHAUDHARI

Assistant Professor, Department of Pharmaceutical Chemistry, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE CO-GUIDE

This is to certify that the research work presented in this thesis entitled, "GREEN CHEMISTRY APPRROACH TO ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR ESTIMATION OF TELMISARTAN BY USING ULTRAVIOLET SPECTROSCOPY AND HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY "submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MISS. SALUNKHE MANISHA SANJAY under my co-guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: |6/6/2

Mrs. Sheetal Chaudhari Research Co-Guide

Q. sherolian







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis CHEMISTRY **APPROACH** "GREEN entitled, AND DEVELOPMENT ANALYTICAL METHOD VALIDATION FOR ESTIMATION OF TELMISARTAN BY USING ULTRAVIOLET SPECTROSCOPY AND HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MISS. SALUNKHE MANISHA SANJAY under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

Place: Pune

Dr.Karimunnisa S. Shaikh HOD







PES'S MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

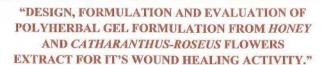
ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "
GREEN CHEMISTRY APPROACH TO ANALYTICAL
METHOD DEVELOPMENT AND VALIDATION FOR
ESTIMATION OF TELMISARTAN BY USING
ULTRAVIOLET SPECTROSCOPY AND HIGH
PERFORMANCE THIN LAYER CHROMATOGRAPHY".
For MASTER OF PHARMACY (PHARMACEUTICAL
QUALITY ASSURANCE) is a record of bonafide research work carried
out by MISS. SALUNKHE MANISHA SANJAY under the guidance
of DR. KARIMUNNISA S. SHAIKH at P.E.S. Modern College of
Pharmacy, Nigdi, Pune 44 during the academic year
2022-2023

Date: 16/6/23 Place: Nigdi, Pune Dr. P.D. Chaudhari Principal







Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Miss. PRATIKSHA MAHADEV SURYAWANSHI

(B. Pharm.)
In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN

Pharmaceutical Quality Assurance

Under the Guidance of Dr. AISHWARYA R . BALAP (M. Pharm. PhD) Assistant Professor

(Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE OF PHARMACY,
NIGDI, PRINE 44

P. E. S. Modern College of Pharmacy

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Miss. PRATIKSHA MAHADEV SURYAWANSHI declare that the thesis entitled "DESIGN, FORMULATION AND EVALUATION OF POLYHERBAL GEL FORMULATIONS FROM HONEY AND CATHARANTHUS-ROSEUS FLOWERS EXTRACT FOR ITS WOUND HEALING ACTIVITY" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. AISHWARYA R. BALAP has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 17/6/23

Miss. PRATIKSHA MAHADEV SURYAWANSHI

Place: Pune







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. AISHWARYA R. BALAP

Associate Professor, Department of Pharmaceutical chemistry, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "DESIGN, FORMULATION AND EVALUATION OF POLYHERBAL GEL FORMULATION FROM HONEY AND CATHARANTHUS-ROSEUS FLOWER EXTRACT FOR IT'S WOUND HEALING ACTIVITY." submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by Miss PRATIKSHA MAHADEV SURYAWANSHI under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 17/6/2

Place: Pune

Dr. AISHWARYA R. BALAP Research Guide

> P. E. & Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "DESIGN, FORMULATION AND EVALUATION OF POLYHERBAL GEL FROMULATION FROM HONEY AND CATHARANTHUS-ROSEUS FLOWERS EXTRACT FOR ITS WOUND HEALING ACTIVITY." submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by Miss PRATIKSHA MAHADEV SURYAWANSHI under the guidance of Dr. AISHWARYA R.BALAP and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 17/6/23 Place: Pune Dr. Karimunnisa S. Shaikh HOD

> P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "DESIGN, FORMULATION AND EVALUATION OF POLYHERBAL GEL FROMULATION FROM HONEY AND CATHARANTHUS-ROSEUS FLOWERS EXTRACT FOR ITS WOUND HEALING ACTIVITY". For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by Miss PRATIKSHA MAHADEV SURYAWANSHI under the guidance of DR. AISHWARYA, R. BALAP at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

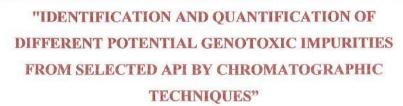
Date: 17/6/23

Place: Nigdi, Pune

r. P.D. Chaudhari Principal







Thesis submitted to

THE FACULTY OF SCIENCES
AND TECHNOLOGY
SAVITRIBAI PHULE PUNE UNIVERSITY,
PUNE



By

Ms. DIPALI SANJAY THETE

B. Pharm

In partial fulfillment, of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL QUALITY ASSURANCE

UNDER THE GUIDENCE OF Dr. VITTHAL V. CHOPADE Associate Professor

Associate Professor M. Pharm, Ph.D.

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,

NIGDI, PUNE – 44

(2022-23)





(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. DIPALI SANJAY THETE declare that the thesis entitled,
"IDENTIFICATION AND QUANTIFICATION OF DIFFERENT
POTENTIAL GENOTOXIC IMPURITIES FROM SELECTED
API BY CHROMATOGRAPHIC TECHNIQUES" submitted by me
for Degree of Master of Pharmacy is the record of work carried
out by me under the guidance of Dr. VITTHAL V. CHOPADE has
not formed the basis for the award of any degree or diploma or
other titles in this or any other University.

Asthere.

Date: 08/03/23

Ms. DIPALI SANJAY/THETE

Place: Nigdi, Pune





DR. KARIMUNNISA S. SHAIKH

Head Of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE HOD

This is to certify that the thesis entitled, "IDENTIFICATION AND QUANTIFICATION OF DIFFERENT POTENTIAL GENOTOXIC IMPURITIES FROM SELECTED API BY CHROMATOGRAPHIC TECHNIQUES" submitted for the degree of Master of Pharmacy (pharmaceutical Quality Assurance), is the record of research work carried out by Ms. DIPALI SANJAY THETE under my guidance and supervision of Dr. VITTHAL V. CHOPADE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 8/5/23
Place: Nigdi, Pune,

Dr. KARIMUNNISA S. SHAIKH

(M. Pharm., Ph.D.)

Head Of Department (PQA

Pune - 411 044



0

1





Department, (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "IDENTIFICATION AND QUANTIFICATION OF DIFFERENT POTENTIAL GENOTOXIC IMPURITIES FROM SELECTED API BY CHROMATOGRAPHIC TECHNIQUES" submitted for degree of Master of Pharmacy, is the record of research work carried out by Ms. DIPALI SANJAY THETE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 815123 Place: Nigdi, Pune



Dr. Vitthal V. Chopade Research Guide

P F S Modern College of Phat





Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles "IDENTIFICATION AND QUANTIFICATION OF DIFFERENT POTENTIAL GENOTOXIC IMPURITIES FROM SELECTED API BY CHROMATOGRAPHIC TECHNIQUES" is a record of bonafide research work carried out by Ms. DIPALI SANJAY THETE under the guidance of Dr. VITTHAL V. CHOPADE at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 8 2023 Place: Nigdi, Pune Dr. P. D. Chaudhari Principal

> Sector No.21, Yamunanag Pune - 411 044.





"Quantification and Validation of Sildenafil in Bulk and Dosage form by High performance Thin Layer Chromatography, High performance Liquid chromatography and UVSpectroscopy By using Hydrotropic Agents"

Thesis submitted to THE FACULTY OF **PHARMACEUTICAL SCIENCES** SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By MISS.WADGAVE POOJA BANDAPPA

(B. Pharm.)

Impartial fulfillment of

The requirements for the degree of

MASTER OF **PHARMACY**

Pharmaceutical Quality Assurance

Under the Guidance of

Dr. VITTHAL V. CHOPADE

(M. Pharm. PhD)

Associate professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,

IGON PUNE-44

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MISS. WADGAVE POOJA BANDAPPA declare that the thesis entitled "QUANTIFICATION AND VALIDATION OF SILDENAFIL IN BULK AND DOSAGE FORM BY HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY, HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND UV SPECTROSCOPY BY USING HYDROTROPIC AGENTS" submitted by me for degree of Master of Pharmacy is the record of work carried out under the guidance of DR. VITTHAL V. CHOPADE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization.

P. wadgave

Date: 815123

MISS. WADGAVE POOJA BANDAPPA

Place: Pune







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. VITTHAL V. CHOPADE
Department of Pharmaceutical Chemistry,
P.E.S. Modern College of Pharmacy,
Nigdi, Pune-44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "QUANTIFICATION AND VALIDATION OF SILDENAFIL IN BULK AND DOSAGE FORM BY HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY, HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND UV SPECTROSCOPY BY USING HYDROTROPIC AGENTS" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MISS. WADGAVE POOJA BANDAPPA under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 814 2

Place: Pune

olloge or ollowing the state of
Dr. VITTHAL V. CHOPADE Research Guide

Principal

Pune - 411 044







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. KARIMUNNISA S. SHAIKH

Head of Department, (PHARMACEUTICAL QUALITY ASSURANCE) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "QUANTIFICATION AND VALIDATION OF SILDENAFIL IN BULK AND DOSAGE FORM BY HIGH PERFORMANCE THIN LAYER CHROMATOGRAPHY, HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND UV SPECTROSCOPY BY USING HYDROTROPIC AGENTS" submitted for degree of Master of Pharmacy (Pharmaceutical Quality Assurance), is the record of research work carried out by MISS. WADGAVE POOJA BANDAPPA under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 81 1/23

Place: Pune

Dr.Karimunnisa S. HOD

Principa







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled,"
QUANTIFICATION AND VALIDATION OF SILDENAFIL IN BULK
AND DOSAGE FORM BY HIGH PERFORMANCE THIN LAYER
CHROMATOGRAPHY, HIGH PERFORMANCE LIQUID
CHROMATOGRAPHY AND UV SPECTROSCOPY BY USING
HYDROTROPIC AGENTS".

For MASTER OF PHARMACY (PHARMACEUTICAL QUALITY ASSURANCE) is a record of bonafide research work carried out by MISS. WADGAVE POOJA BANDAPPA under the guidance of DR. VITTHAL V. CHOPADE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-23.

Date: 815123

Place: Nigdi, Pune

Dr. P.D. Chaudhari Principal

Principal







Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approvad by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (B) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314 E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council

Date- 16-06-2023

H.O.D

M.PHARM SECOND YEAR PHARMACOLOGY PROJECT DETAILS-2022-2023

Roll no	Name	Research Topic	Guide Name
COL201	Akansha Amritkar	Evaluation of Gel of Carica papaya Latex And Boerhevia diffusa Linn. for wound healing activity in experimental animals	Dr. S. S. Nipte
COL202	Pranali Bhandare	Evaluation of nephroprotective potential of Ethyl acetate fraction of Punica granatum leaves in 5-flourouracil induced nephrotoxicity in experimental animals.	Dr. D. D. Bandawane
COL203	Abhijit Deshmukh	Evaluation of Anti-hemorrhoidal Activity of ointment formulation prepared from ethanolic extract of Tagetus Erecta flower in croton oil induced hemorrhoids in experimental animal.	Dr. S. S. Nipte Co guide- P. S. Kore
COL204	Gayatri Gadekar	Evaluation of nephroprotective potential of ethyl acetate fraction of acacia catechu leaves in 5-fluorouracil induced nephrotoxicity in experimental animals.	Dr. D. D. Bandawane
COL205	Vinod Gaikwad	Evaluation of electric stimulation in wound healing activity using hydrogel containing Arginine and Proanthocyanidin in experimental animals.	Dr. S. S. Nipte
COL206	Pratiksha Hajare	To study anti-atherosclerotic activity of ethanolic extracts of <i>Peltophorum</i> pterocarpum Linn. stem bark and syzygium cumini DC leaves in experimental animals	Dr. S. S. Nipte
COL207	Dhanashri Katkar	Evaluation of anti-arthritic activity of ethyl acetate fraction of <i>Tectona</i> grandis Linn. Seeds in FCA-induced arthritis in experimental animals.	Dr. S. S. Nipate

STRIVING TOWARDS EXCELLENCE FOREVER









Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Dolhi, Pharmacy Council of India, New Dolhi Directorate of Technical Education, Mumbai (MS), Pormanently Affiliated to Savitribai Phule Pune University, Pune & Approved under Section 2 (f) & 12 (8) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314 E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D.

Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council

Principal			Chairman, Busine
COL208	Pradnya Khelbude	Evaluation of anti-hemorrhoidal activity of ointment formulation prepared from ethanolic extract of <i>Punica granatum</i> peels in croton oil induced hemorrhoids in experimental animals.	Dr S. S. Nipte Co guide- Dr.P. S. Kore
COL209	Mohsin Mansoori	Ameliorative effect of Abutilon indicum leaves on liver steatosis in high fructose induced insulin resistance in experimental animals.	Dr. D. D. Bandawane
COL210	Kajal Pawade	Evaluation of ethyl acetate fraction of Dendrophthoe Falcata Linn. Leaves on the FCA- induced arthritis using Exosomes as drug carrier in experimental animals.	Dr. S. S. Nipate
COL211	Nikita Pawar	Pharmacological evaluation of Aegle marmelos leaves on NAFLD in high fructose-induced insulin resistance in experimental animals.	Dr. D. D. Bandawane
COL212	Ganesh Pore	Evaluation of hydroethanolic extract of Musa paradisiaca Linn. Peel on suicide and trait related behaviors in experimental animals.	Dr. D. D. Bandawane Co guide- P. S. Kore
COL213	Surabhi Shinde	Evaluation of hydroethanolic extract of Tagetes Erecta flowers on suicide and trait related behaviors in experimental rats.	Dr. D. D. Bandawane Co guide- P. S. Kore
COL214	Prajakta Tambe	Evaluation of hydroethanolic extract of Portulaca oleracea leaves on suicide and traits related behaviors in wistar rats	Dr. D. D. Bandawane Co guide- P. S. Kore

Dr.D. D. Bandawane

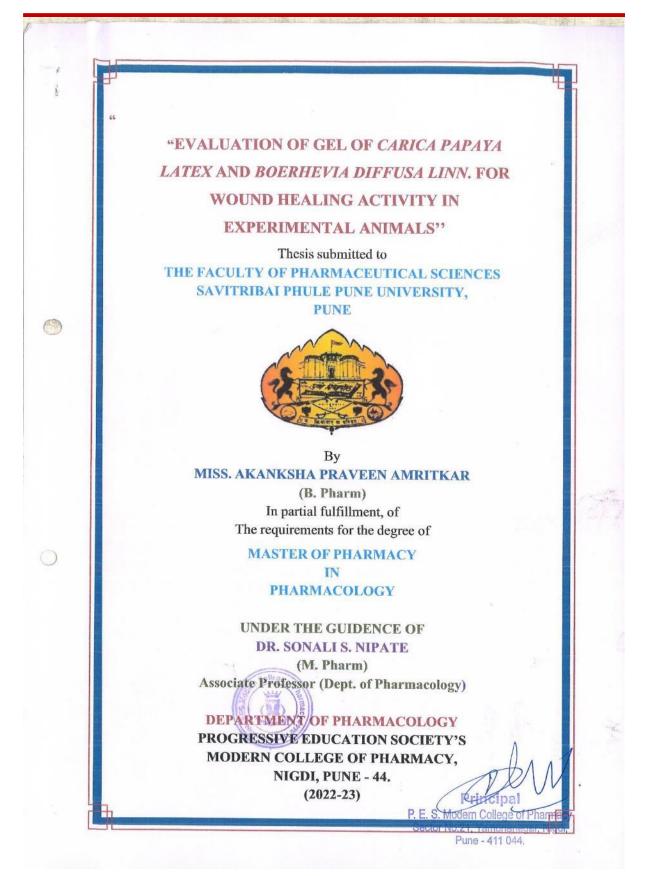
College of A

Dr.P.D. Chaudhan

STRIVING TOWARDS EXCELLENCE FOREVER











SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Miss. Akanksha Praveen Amritkar declare that the thesis entitled "EVALUATION OF GEL OF CARICA PAPAYA LATEX AND BOERHEVIA DIFFUSA LINN. FOR WOUND HEALING ACTIVITY IN EXPERIMENTAL ANIMALS" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr. Sonali S. Nipate has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

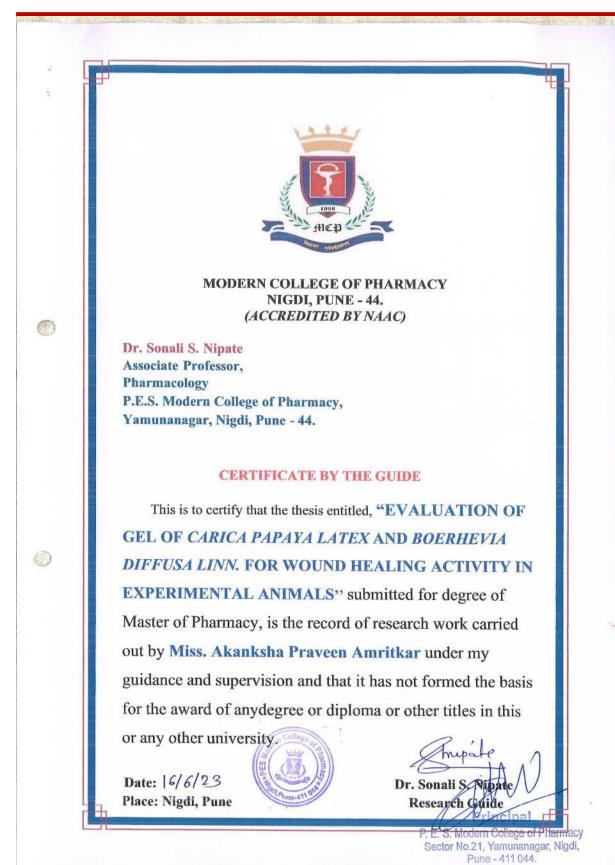
Date: 16/6/23

Place: Pune

Miss. Akanksha Prayeen Amritkar







Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. D. D. Bandawane

Professor and HOD,
Department of Pharmacology,
P. E. S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "EVALUATION OF GEL OF CARICA PAPAYA LATEX AND BOERHEVIA DIFFUSA LINN. FOR WOUND HEALING ACTIVITY IN EXPERIMENTAL ANIMALS" submitted for degree of Master of Pharmacy (Pharmacology), is the record of research work carried out by Miss. Akanksha Praveen Amritkar under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

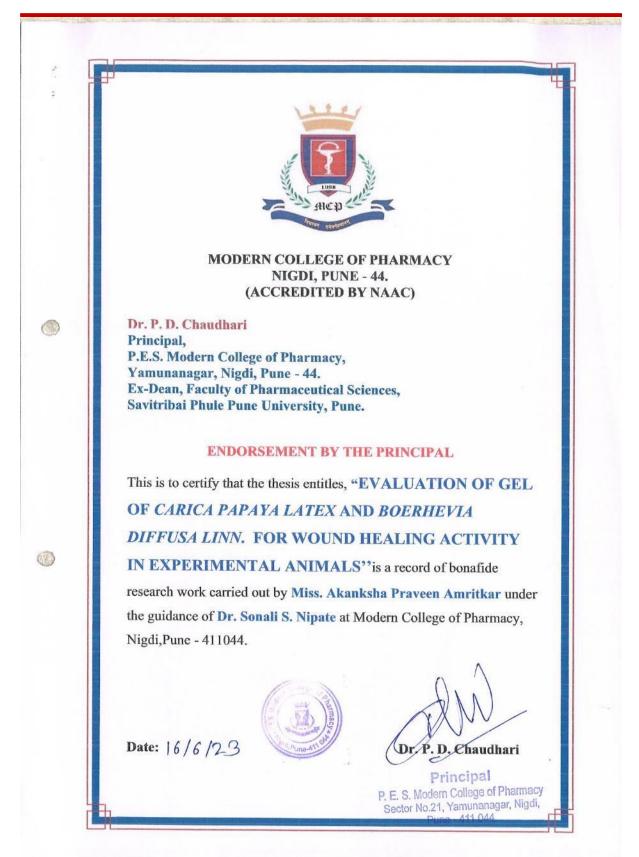
Date: |6/6/23 | Place: Pune

College of the state of the sta

Dr. D. D. Bandawane

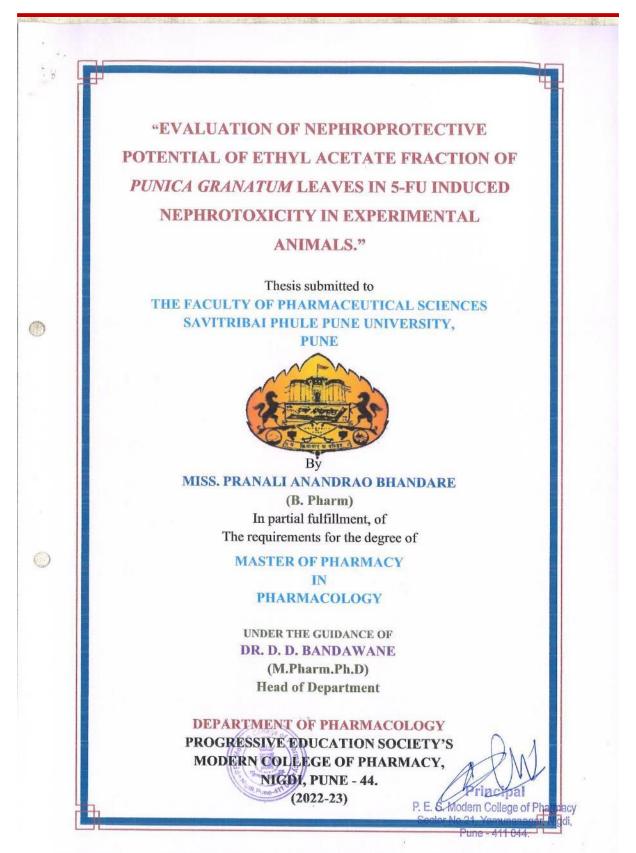
















SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

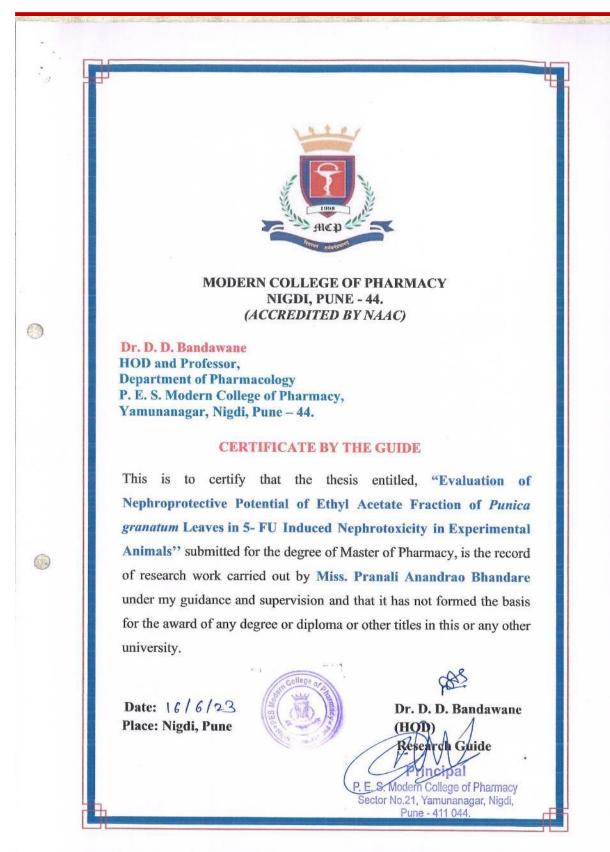
I am Ms. Pranali Anandrao Bhandare declare that the thesis entitled "Evaluation of Nephroprotective Potential of Ethyl Acetate Fraction of Punica granatum Leaves in 5- FU Induced Nephrotoxicity in Experimental Animals." submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr.D.D.Bandawane has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 16/6/23 Place: Nigdi, Pune

Miss. Pranali Anandrao Bhandare













PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NAAC)

Dr. D.D.Bandawane

Professor and HOD, Department of Pharmacology P. E. S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "Evaluation of Nephroprotective Potential of Ethyl Acetate Fraction of Punica granatum Leaves in 5- FU Nephrotoxicity in Experimental Animals." submitted for degree of Master of Pharmacy (Pharmacology), is the record of research work carried out by Ms. Pranali Anandrao Bhandare under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

Place: Nigdi, Pune

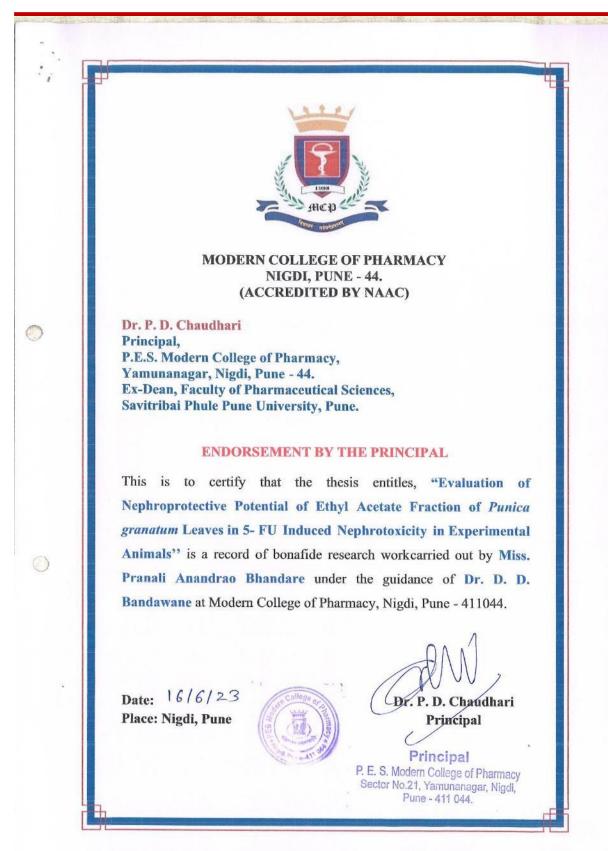


Dr. D.D. Bandawane

No.21, Yamunanagar, Nigdi, Pune - 411 044.











"Evaluation of anti-hemorrhoidal activity of ointment formulation prepared from ethanolic extract of *Tagetus Erecta* flowers in Croton oil induced Hemorrhoids in experimental animals."

Thesis submitted to
THE FACULTY OF PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY,
PUNE



By

Mr. ABHIJIT BALASAHEB DESHMUKH

(B. Pharm)

In partial fulfillment, of The requirements for the degree of

MASTER OF PHARMACY

IN

PHARMACOLOGY

UNDER THE GUIDENCE OF

DR. SONALI S. NIPATE

(M. Pharm, Ph. D)

Associate Professor (Dept. of Pharmacology)

DEPARTMENT OF PHARMACOLOGY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,

NIGDI, PUNE - 44.

(2022-23)



(







DECLARATION

I am Mr. Abhijit Balasaheb Deshmukh declare that the thesis entitled "Evaluation of antihemorrhoidal activity of ointment formulation prepared from ethanolic extract of Tagetus Erecta flowers in Croton oil induced Hemorrhoids in experimental animals." submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr. Sonali S. Nipate and the co-guidance of Dr. P. S. Kore, and has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 17/6/23

Place: Pune

Mr. Abhijit Balasaheb Deshmukh

P. C.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,



(





MODERN COLLEGE OF PHARMACY NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

Dr. Sonali S. Nipate
Associate Professor,
(Department of Pharmacology)
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune - 44.

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Evaluation of anti-hemorrhoidal activity of ointment formulation prepared from ethanolic extract of *Tagetus Erecta* flowers in Croton oil induced Hemorrhoids in experimental animals" submitted for degree of Master of Pharmacy, is the record of research work carried out by Mr. Abhijit Balasaheb Deshmukh under my guidance and supervision and that it has not formed the basis for the award of anydegree or diploma or other titles in this or any other university.

Date: 17/6/23

Place: Nigdi, Pune

Dr. Sonali S. Nipate Research Guide

Modern Cellege of Pharmacy

Pune - 411 044.







MODERN COLLEGE OF PHARMACY NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

Dr. P. S. Kore
Assistant Professor,
(Department of Pharmacology)
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune - 44.

CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "Evaluation of antihemorrhoidal activity of ointment formulation prepared from ethanolic extract of *Tagetus Erecta* flowers in Croton oil induced Hemorrhoids in experimental animals" submitted for degree of Master of Pharmacy, is the record of research work carried out by Mr. Abhijit Balasaheb Deshmukh under my guidance and supervision and that it has not formed the basis for the award of anydegree or diploma or other titles in this or any other university.

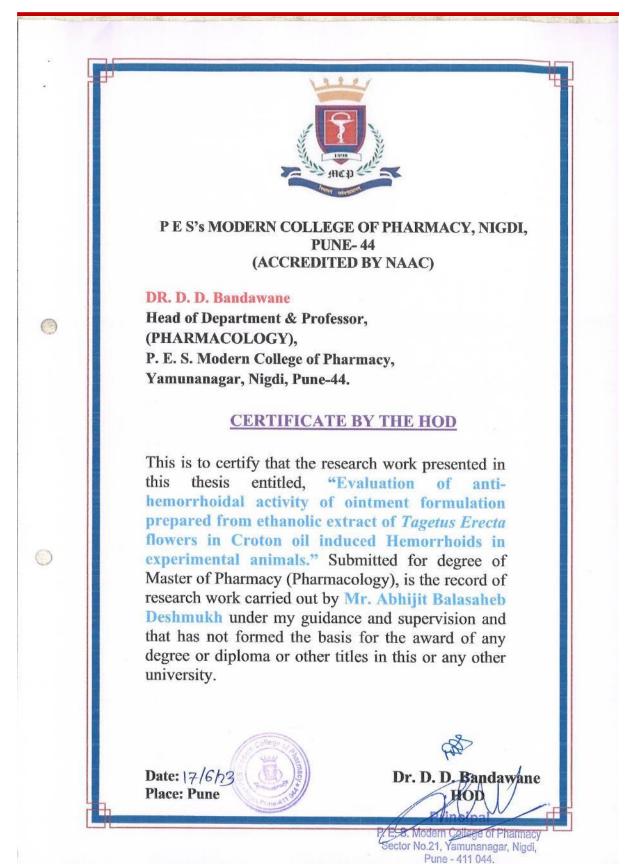
Date: 17/6/23

Place: Nigdi, Pune

Dr. P. S. Køre Research Co-Guid

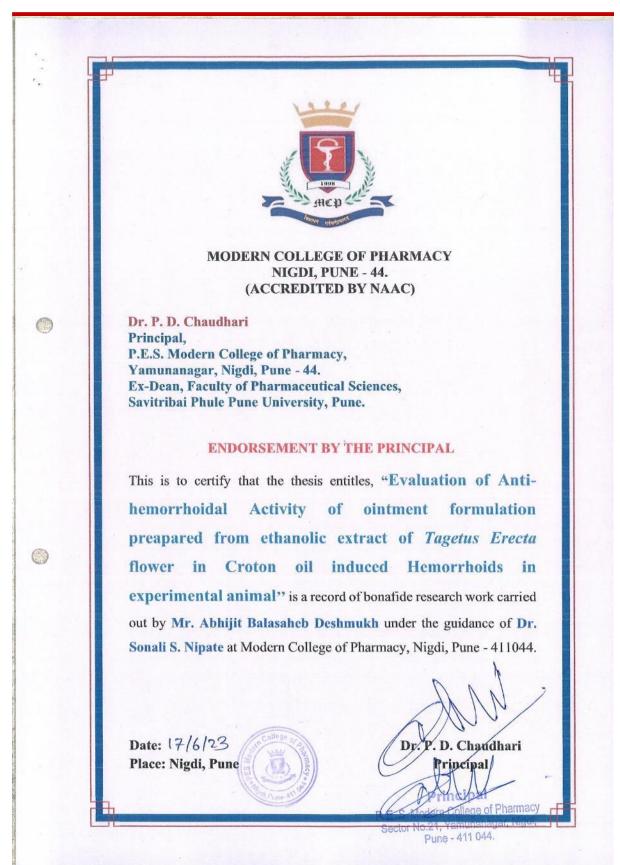






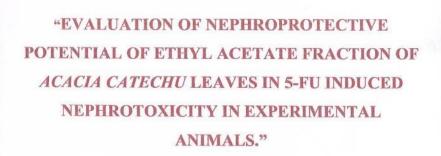












Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY,



By

MISS. GAYATRI JAISING GADEKAR

(B. Pharm) In partial fulfillment, of

The requirements for the degree of MASTER OF PHARMACY

IN PHARMACOLOGY

UNDER THE GUIDANCE OF DR. D. D. BANDAWANE (M.Pharm.Ph.D) **Head of Department**

DEPARTMENT OF PHARMACOLOGY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY NIGDL PUNE - 44.

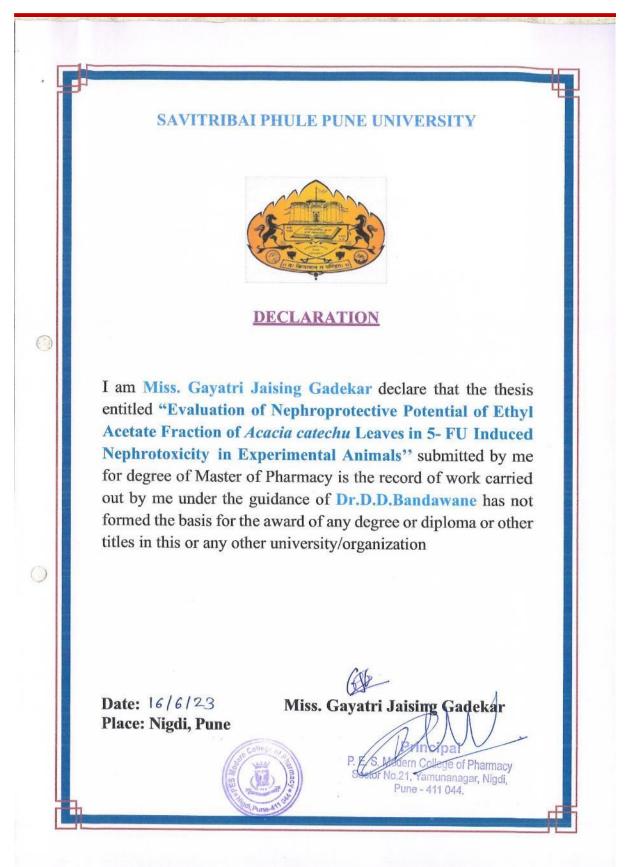
(2022-23)

Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.

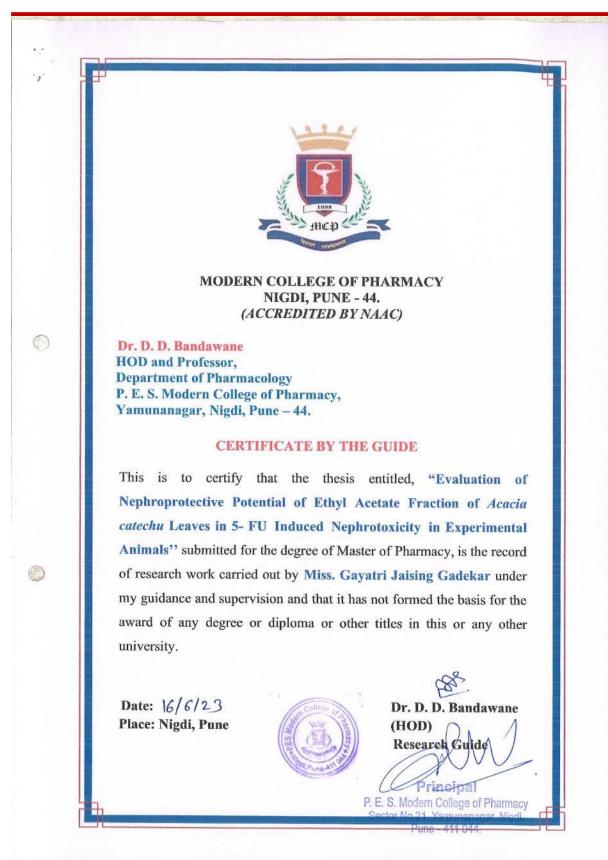






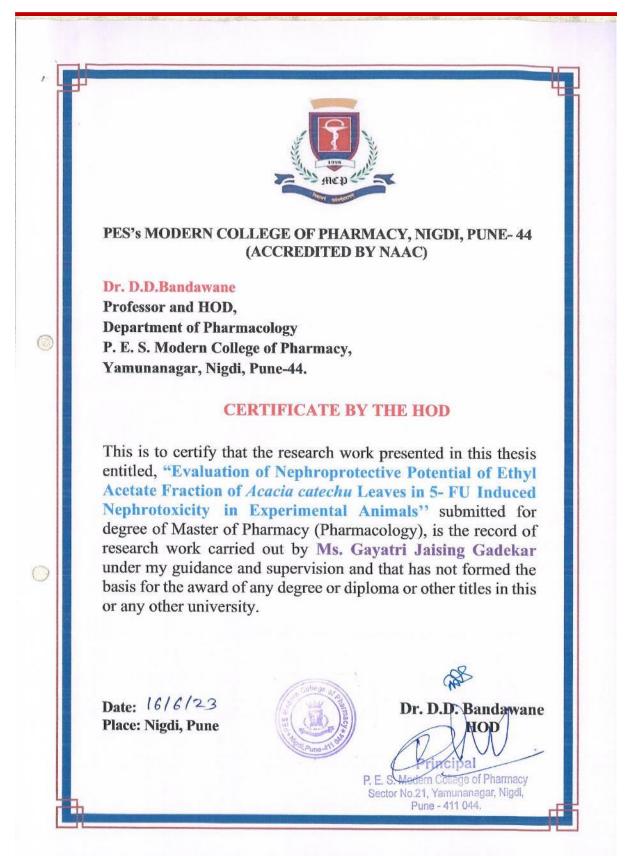






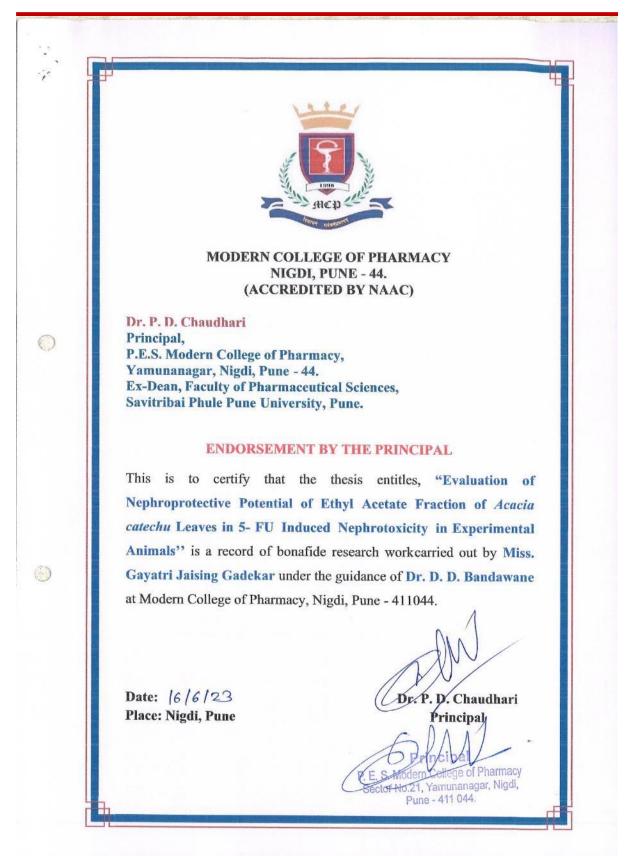






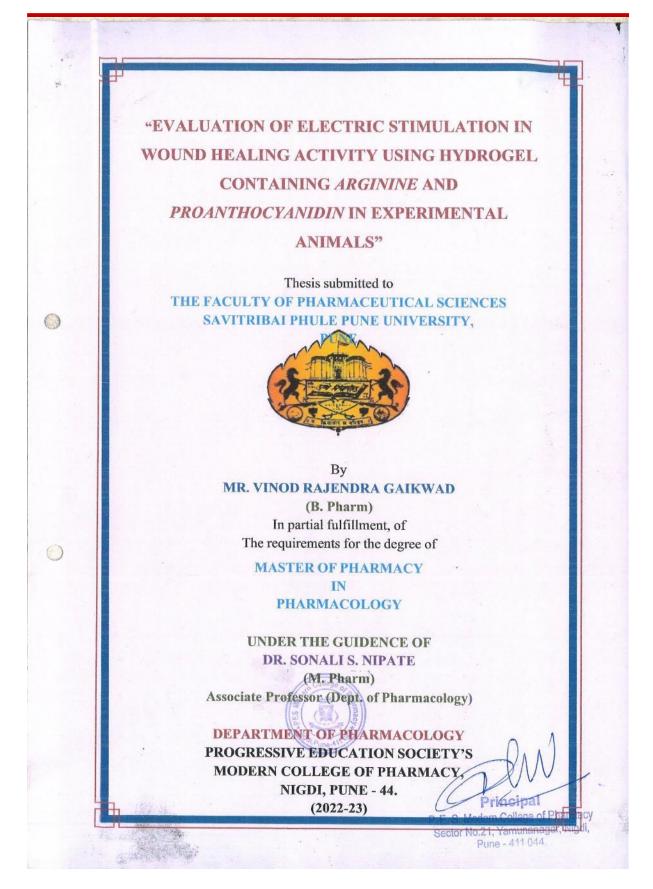
















SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Mr. Vinod Rajendra Gaikwad declare that the thesis entitled "EVALUATION OF ELECTRIC STIMULATION IN WOUND HEALING ACTIVITY USING HYDROGEL CONTAINING ARGININE AND PROANTHOCYANIDIN IN EXPERIMENTAL ANIMALS" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr. Sonali S. Nipate has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 18/6/23

Place: Pune

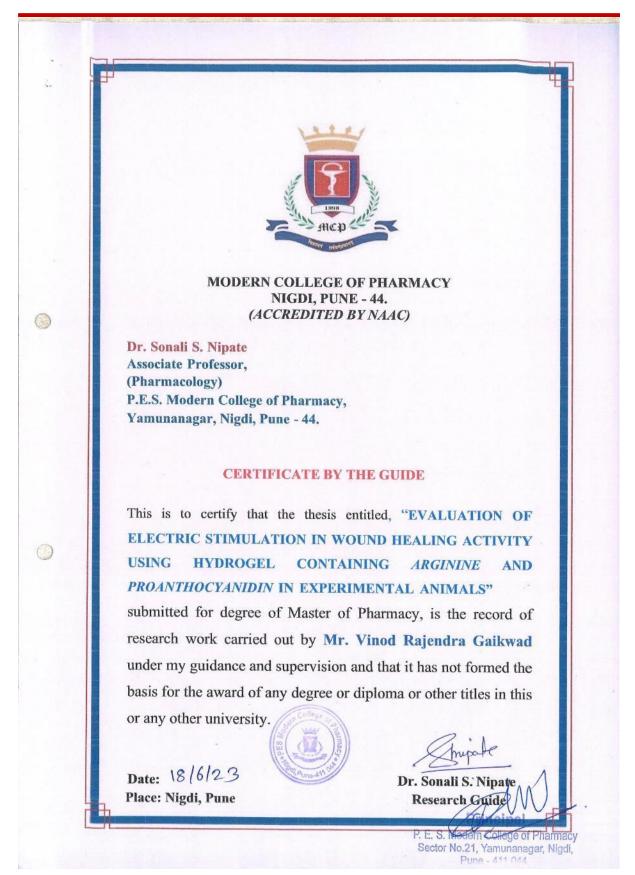
College of College of

Mr. Vinod Rajendra Ga

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.













PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

Dr. D.D. Bandawane

Professor and HOD,
Department of Pharmacology,
P. E. S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "EVALUATION OF ELECTRIC STIMULATION IN WOUND HEALING ACTIVITY USING HYDROGEL CONTAINING ARGININE AND PROANTHOCYANIDIN IN EXPERIMENTAL ANIMALS" submitted for degree of Master of Pharmacy (Pharmacology), is the record of research work carried out by Mr. Vinod Rajendra Gaikwad under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 18/6/23

Place: Pune

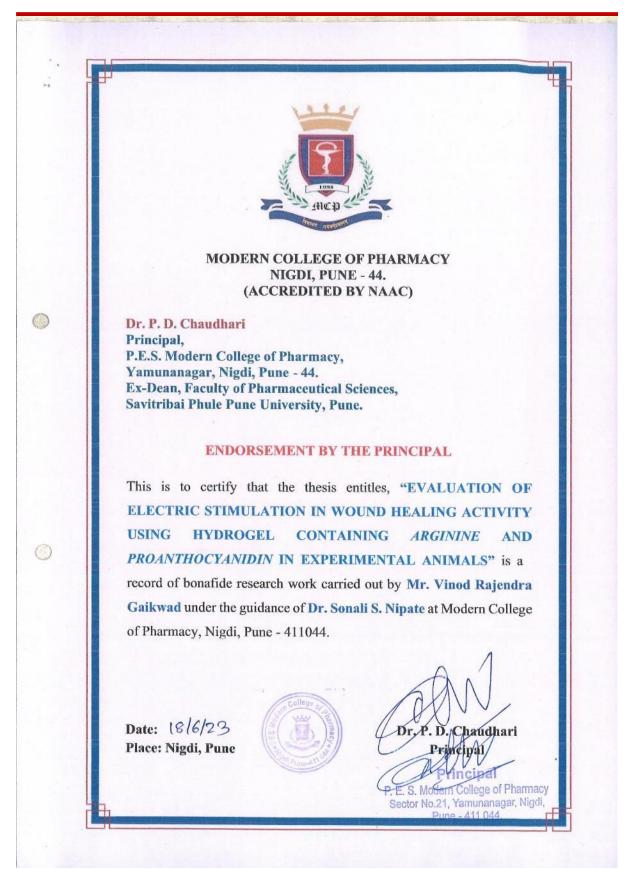


Dr. D. D. Bandayane

E 8. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,



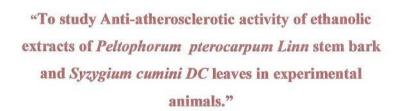






(3)





Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MISS. PRATIKSHA KANTILAL HAJARE

(B. Pharm)
In partial fulfillment, of
The requirements for the degree of

MASTER OF PHARMACY IN PHARMACOLOGY

UNDER THE GUIDENCE OF
DR. SONALI S. NIPATE
(M. Pharm, PhD)
Associate Professor (Dept. of Pharmacology)

DEPARTMENT OF PHARMACOLOGY

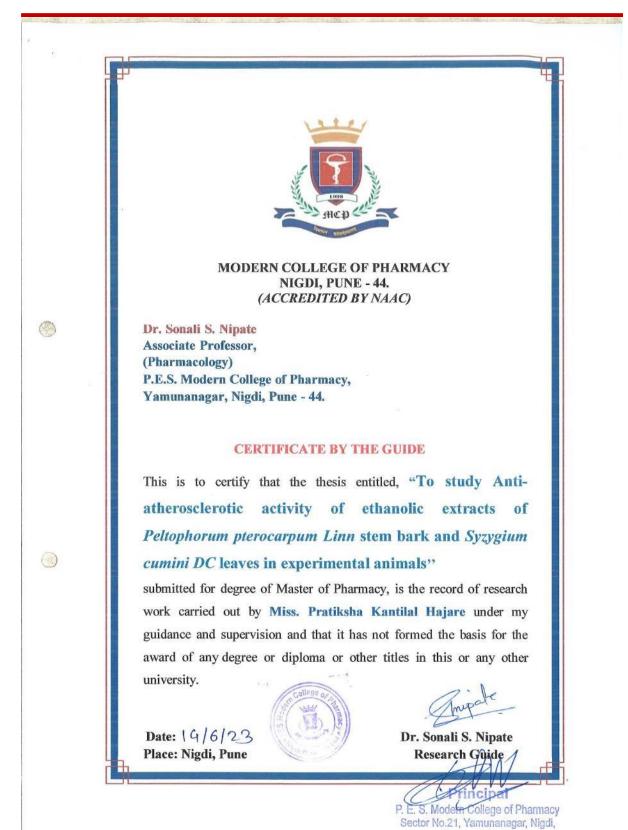
PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE - 44.

(2022-23)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



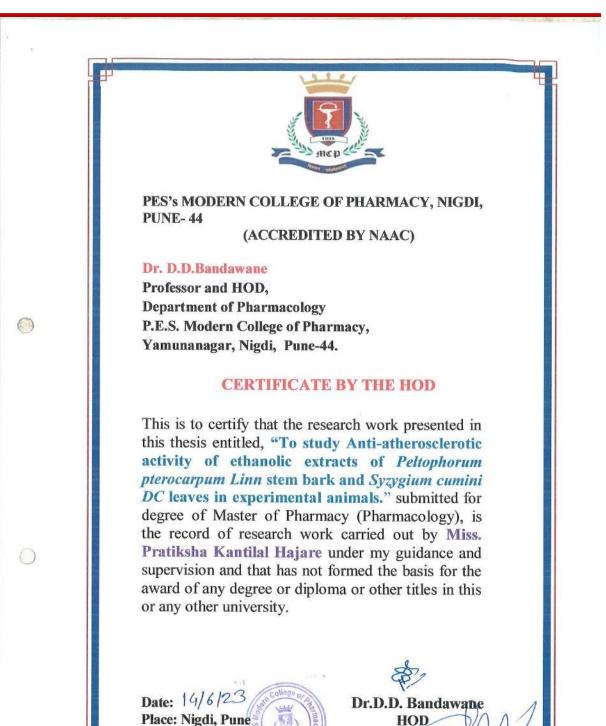




P. E. S. Modern College of Pharm









(





MODERN COLLEGE OF PHARMACY NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune - 44.
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "To study Antiatherosclerotic activity of ethanolic extracts of
Peltophorum pterocarpum Linn stem bark and Syzygium
cumini DC leaves in experimental animals" is a record
of bonafide research work carried out by Miss. Pratiksha
Kantilal Hajare under the guidance of Dr. Sonali S.
Nipate at Modern College of Pharmacy, Nigdi, Pune 411044.

Date: 14/6/23 Place: Nigdi, Pune Dr. P. D. Chaudhari Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Miss. Pratiksha Kantilal Hajare declare that the thesis entitled "To study Anti-atherosclerotic activity of ethanolic extracts of Peltophorum pterocarpum Linn stem bark and Syzygium cumini DC leaves in experimental animals." submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr.S.S.Nipate has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

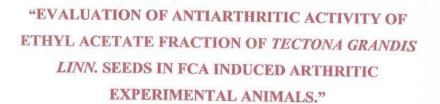
Date: |4/6/23 Place: Nigdi,Pune Miss.Pratiksha Kantilal Hajare

HoJare.P

o.21, Yamunanagar, Nigdi, Pune - 411 044.







Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MISS.DHANASHRI VIKRAM KATKAR

(B. Pharm)

In partial fulfillment, of The requirements for the degree of

MASTER OF PHARMACY IN

11

PHARMACOLOGY

UNDER THE GUIDANCE

OF

DR. SONALI S. NIPATE

(M. Pharm, PhD)

Associate Professor (Dept. of Pharmacology)

DEPARTMENT OF PHARMACOLOGY

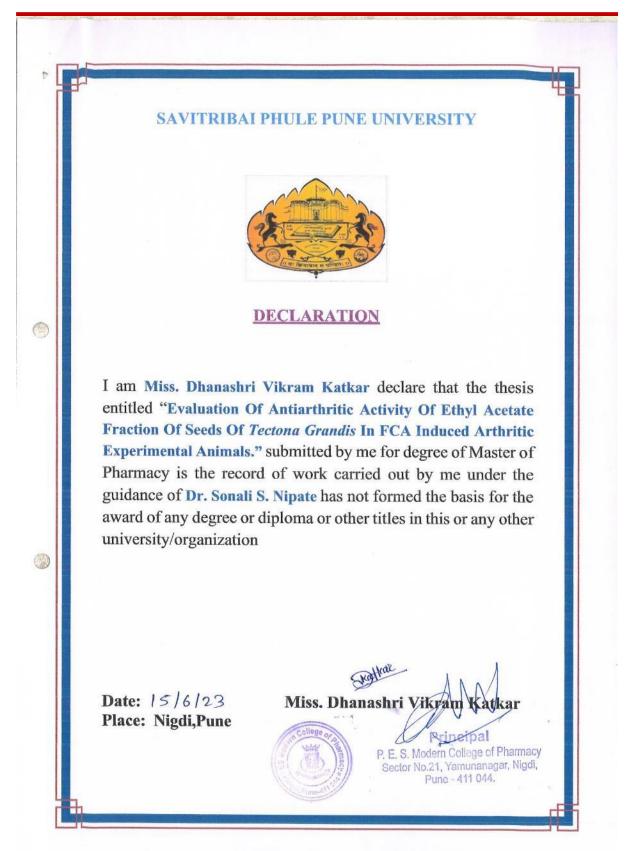
PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE - 44.

(2022-23)

P. E. S. Modern Callege of Ph

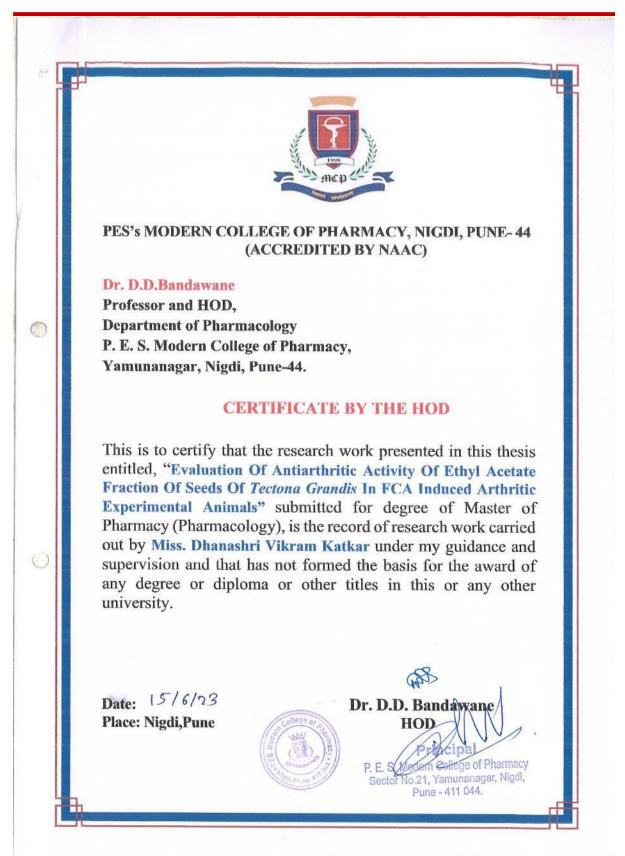






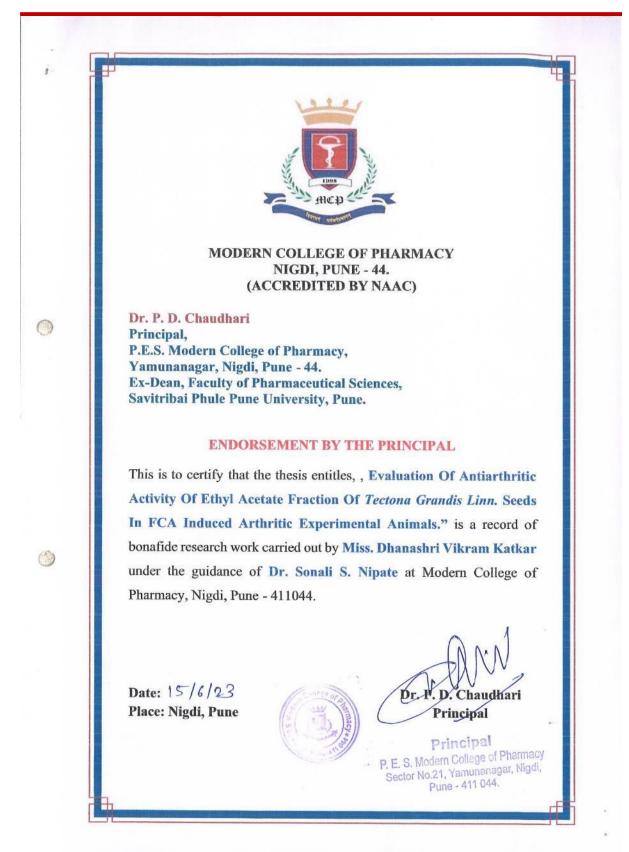






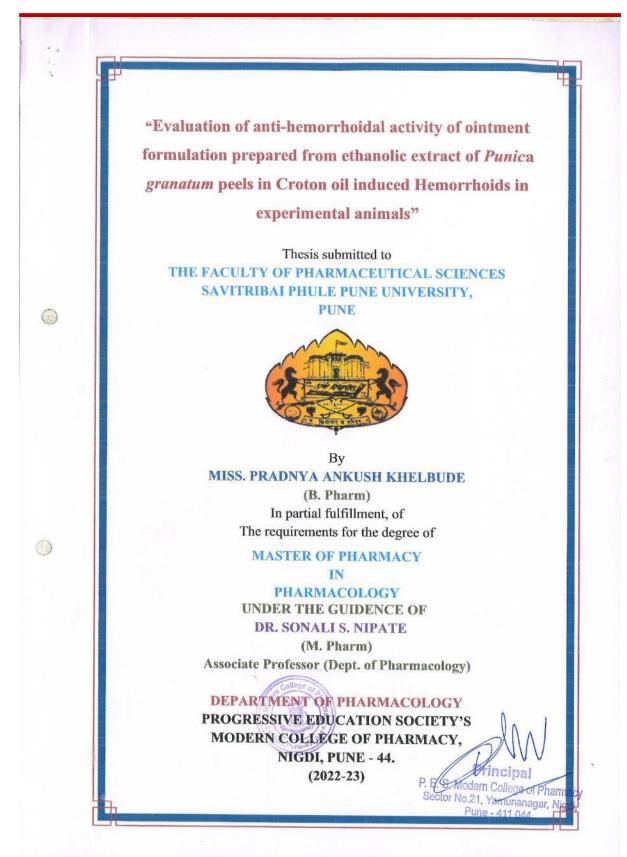






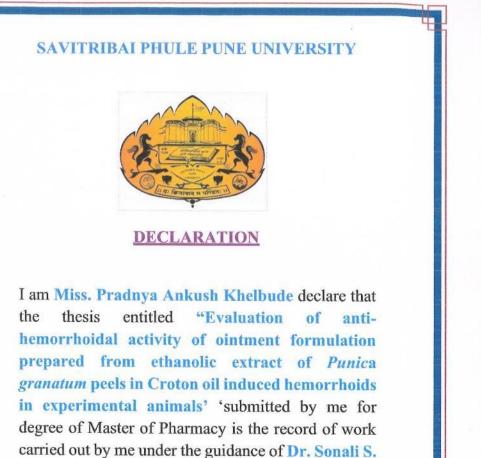












Nipate and the co-guidance of Dr. P. S. Kore, and has not formed the basis for the award of any degree or diploma or other titles in this or any other

Date: 16/6/23

university/organization

Place: Pune

Miss. Pradnya Ankush Khelbude

PAKhelhude

Duss 444 044







Date: 16/6/23 Place: Nigdi, Pune

titles in this or any other university.

A Aline Art div

Dr. Sonali S. Nipate Research Guide







MODERN COLLEGE OF PHARMACY NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

Dr. P. S. Kore Assistant Professor, (Department of Pharmacology) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune - 44.

CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "Evaluation of antihemorrhoidal activity of ointment formulation prepared from ethanolic extract of Punica granatum peels in Croton oil induced Hemorrhoids in experimental animals" submitted for degree of Master of Pharmacy, is the record of research work carried out by Miss. Pradnya Ankush Khelbude under my guidance and supervision and that it has not formed the basis for the award of anydegree or diploma or other titles in this or any other university.

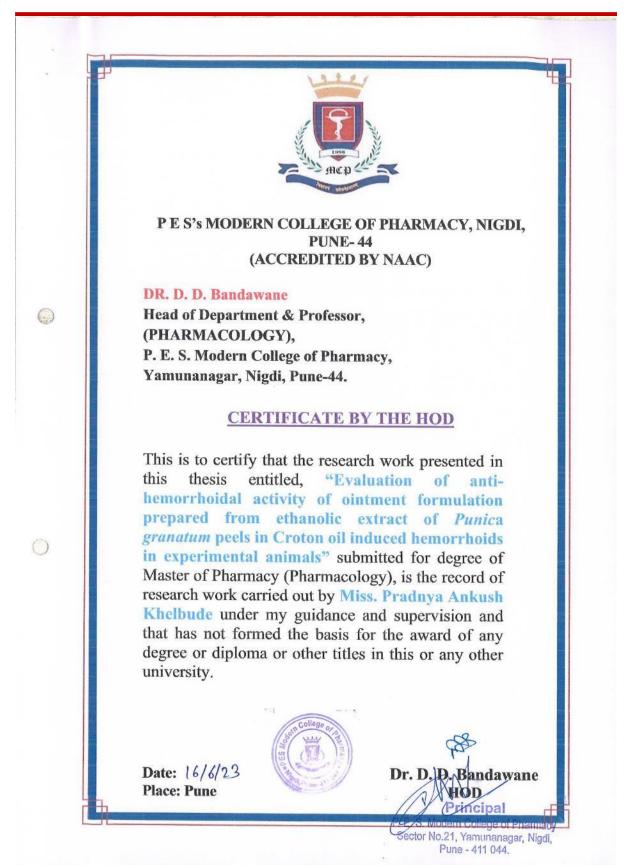
Date: 16/6/23 Place: Nigdi, Pune

Dr. R. S. Kore

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

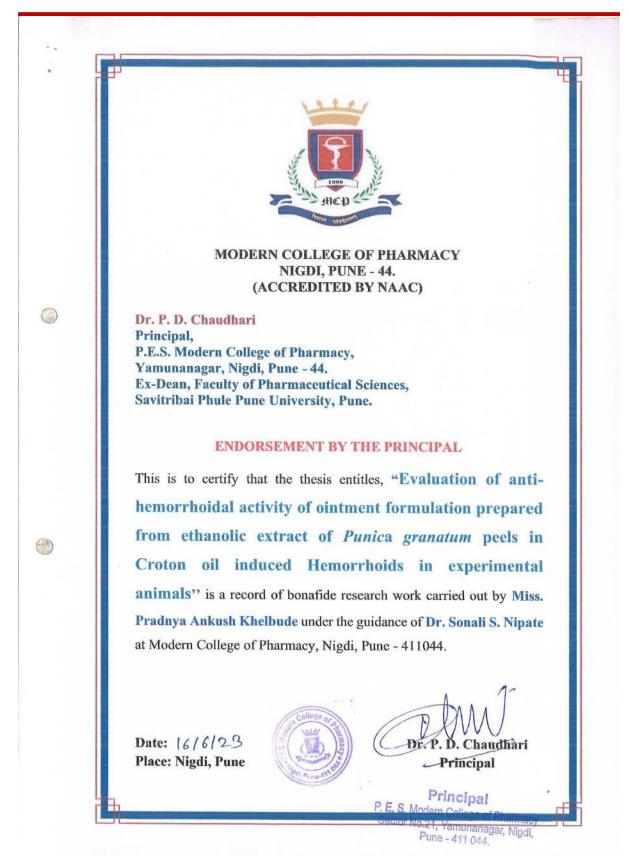






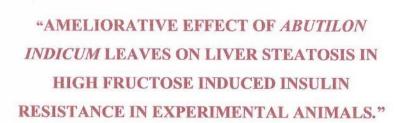












Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MR. MOHSIN ARMAN MANSOORI

(B. Pharm)

In partial fulfillment, of The requirements for the degree of

MASTER OF PHARMACY IN

PHARMACOLOGY

UNDER THE GUIDANCE OF DR. D. D. BANDAWANE (M.Pharm.Ph.D) Head of Department

DEPARTMENT OF PHARMACOLOGY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,

NIGDI, PUNE - 44. (2022-23)

Modern College of Pharmacitor No.21, Yamunanagar, Nagdi,









DECLARATION

I am Mr. MOHSIN ARMAN MANSOORI declare that the thesis entitled "AMELIORATIVE EFFECT OF ABUTILON INDICUM LEAVES ON LIVER STEATOSIS IN HIGH FRUCTOSE-INDUCED INSULIN RESISTANCE IN EXPERIMENTAL ANIMALS" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr.D.D.Bandawane has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

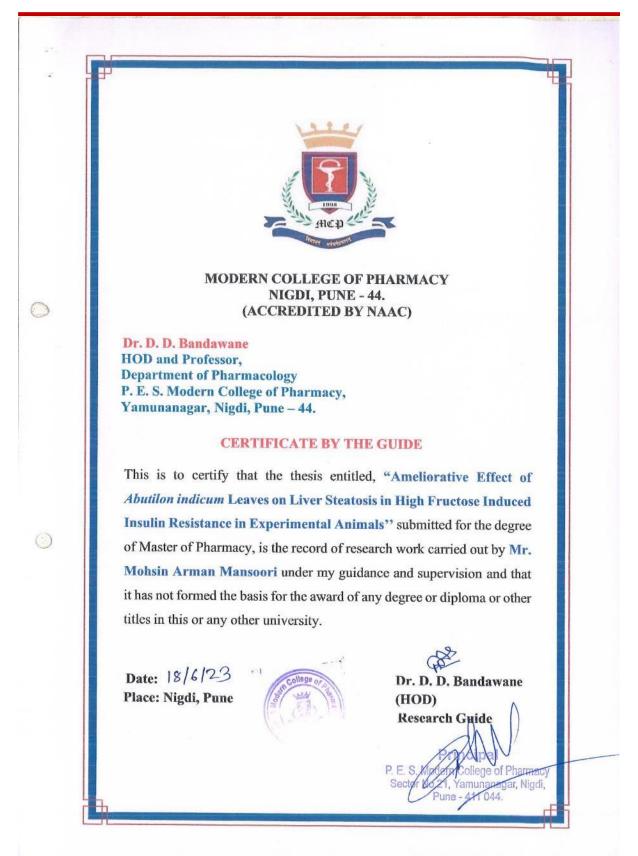
Date: 18/6/23 Place: Pune

MR. MOHSIN ARMAN MANSOORI
Procipal
P. E. S. Modern College of Pharmacy

ector No.21, Yamunanagar, Nigdi, Pune - 411 044.













PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

Dr. D.D.Bandawane

Professor and HOD,
Department of Pharmacology
P. E. S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "AMELIORATIVE EFFECT OF ABUTILON INDICUM LEAVES ON LIVER STEATOSIS IN HIGH FRUCTOSE-INDUCED INSULIN RESISTANCE IN EXPERIMENTAL ANIMALS" submitted for degree of Master of Pharmacy (PHARMACOLOGY), is the record of research work carried out by MR. MOHSIN ARMAN MANSOORI under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 18/6/23

Place: Pune

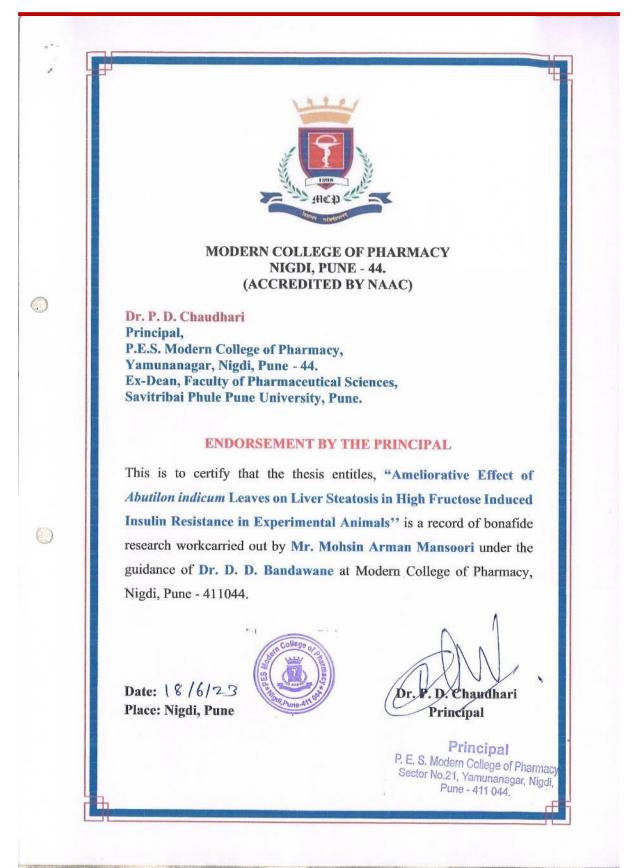
Dr. D.D. Bandawane

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Dune 411 044

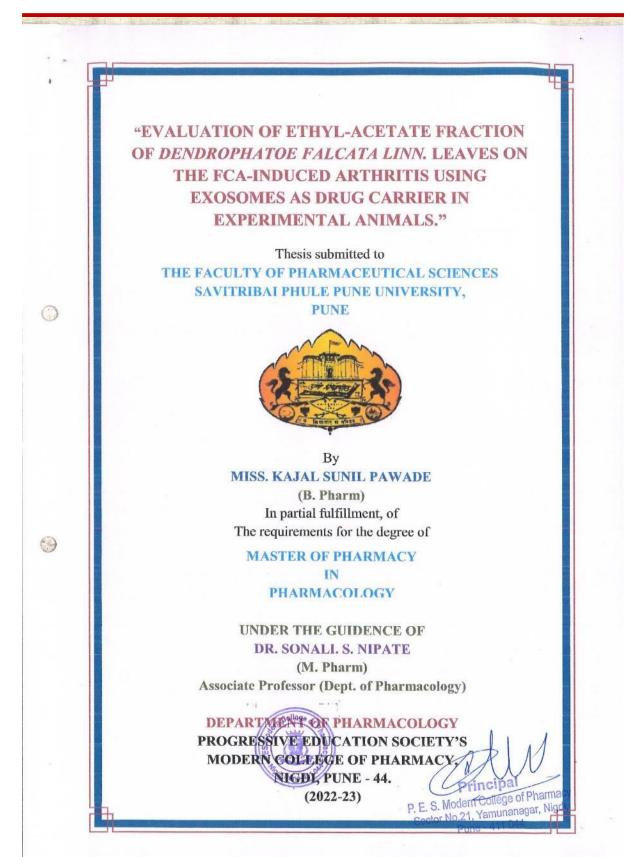














0







DECLARATION

I am MISS. KAJAL SUNIL PAWADE declare that the thesis entitled "EVALUATION OF ETHYL-ACETATE FRACTION OF DENDROPHATOE FALCATA LINN. LEAVES ON THE FCA-INDUCED ARTHRITIS USING EXOSOMES AS DRUG CARRIER IN EXPERIMENTAL ANIMALS" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr. Sonali. S. Nipate has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 18/6/23

Place: Nigdi, Pune



Miss. Kajal Sunil Pawade

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,







MODERN COLLEGE OF PHARMACY NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

Dr. Sonali S. Nipate
Associate Professor,
Department of Pharmacology
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune - 44.

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "EVALUATION OF ETHYL-ACETATE FRACTION OF DENDROPHATOE FALCATA LINN.

LEAVES ON THE FCA-INDUCED ARTHRITIS USING EXOSOMES AS DRUG CARRIER IN EXPERIMENTAL ANIMALS" submitted for degree of Master of Pharmacy, is the record of research work carried out by Miss. Kajal Sunil Pawade under my guidance and supervision and that it has not formed the basis for the award of anydegree or diploma or other titles in this or any other university.

Date: 18/6/23

Place: Nigdi, Pune

Dr. Sonali S. Nipate Research Guide

Sector No.21, Yamunanagar, Nigdi,







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. D. D. Bandawane

Head of Department & Professor, Department of Pharmacology, P. E. S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "EVALUATION OF ETHYL-ACETATE FRACTION OF DENDROPHATOE FALCATA LINN. LEAVES ON THE FCA-INDUCED ARTHRITIS USING EXOSOMES AS DRUG CARRIER IN EXPERIMENTAL ANIMALS" submitted for degree of Master of Pharmacy (Pharmacology), is the record of research work carried out by Mr. Kajal Sunil Pawade under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 18/6/23 Place: Nigdi, Pune

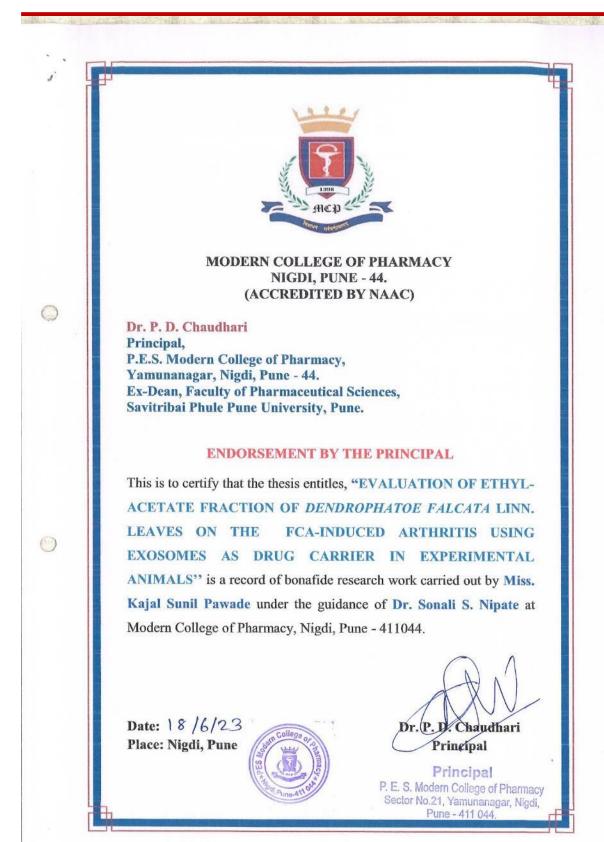


Dr. D. D. Bandawane

P. E. S. Modern Cotlege of Pharmac Sector No.21, Yamuhanagar, Nigdi, Pune - 411 044.

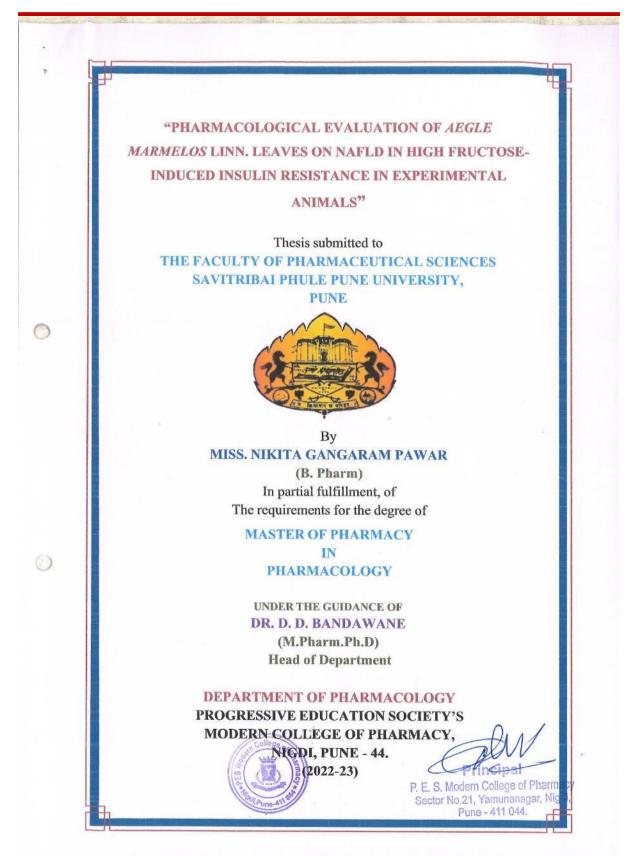






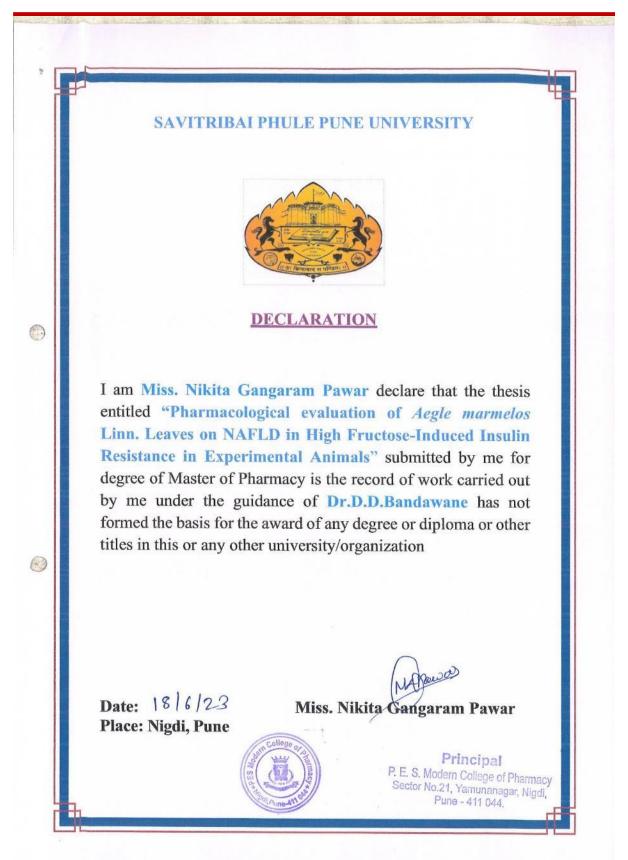






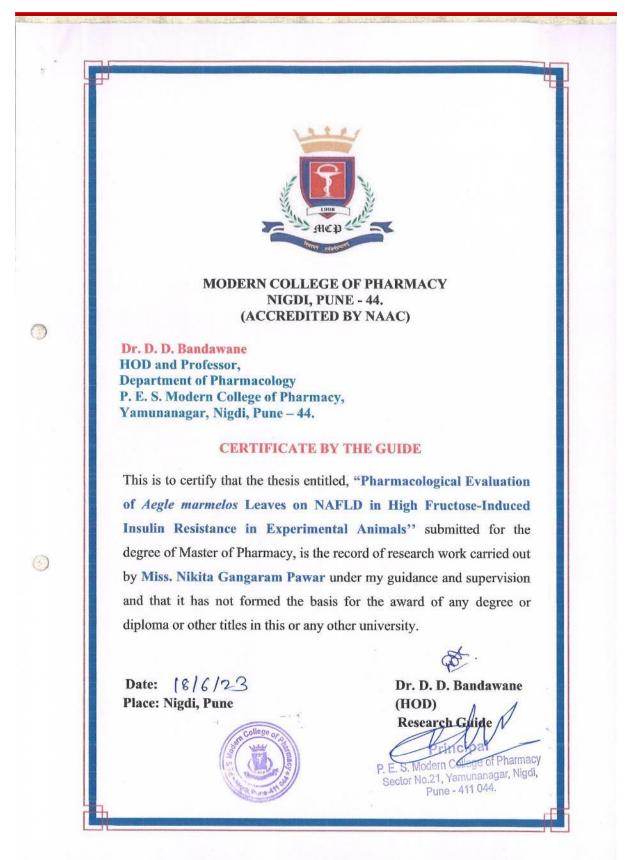






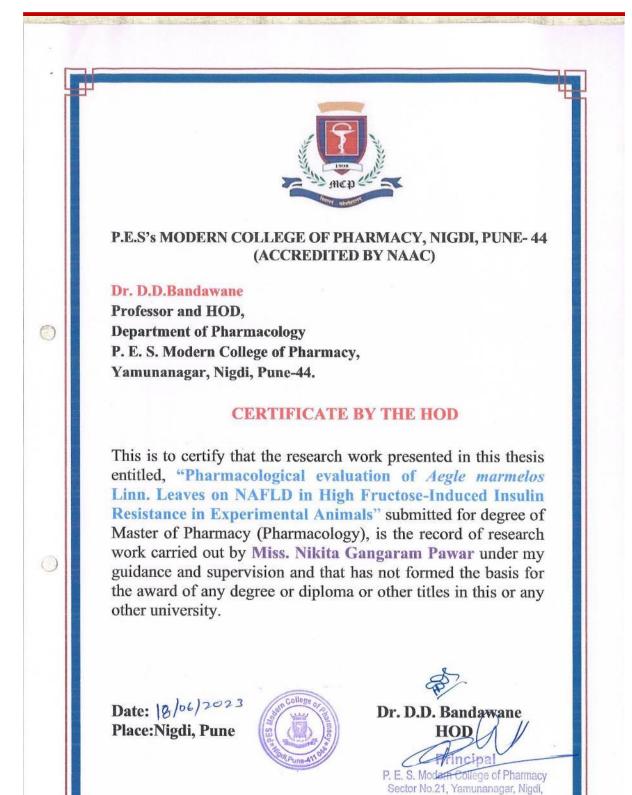


















MODERN COLLEGE OF PHARMACY NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

Dr. P. D. Chaudhari
Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune - 44.
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "Pharmacological Evaluation of Aegle marmelos Leaves on NAFLD in High Fructose-Induced Insulin Resistance in Experimental Animals" is a record of bonafide research workcarried out by Miss. Nikita Gangaram Pawar under the guidance of Dr. D. D. Bandawane at Modern College of Pharmacy, Nigdi, Pune - 411044.

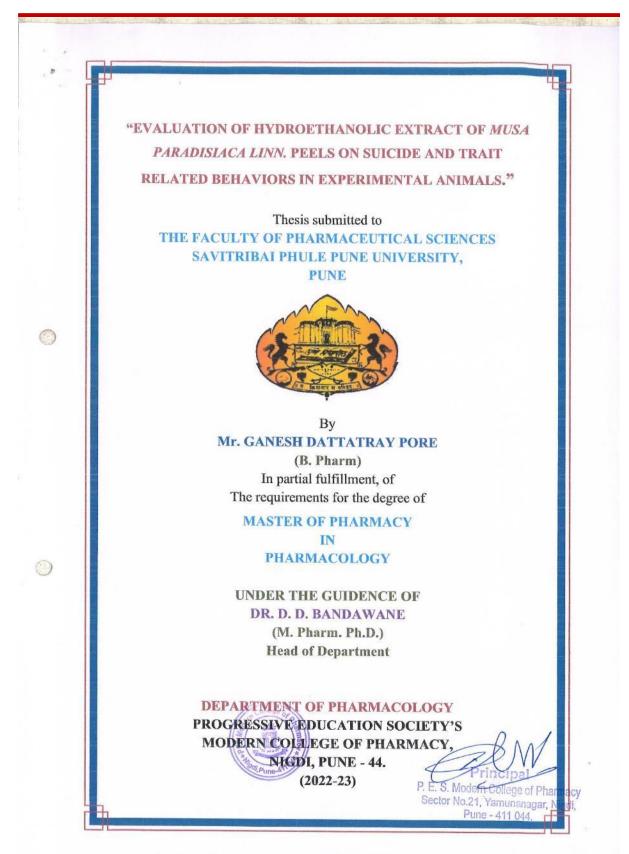
Date: 18/6/23 Place: Nigdi, Pune

Dr. P. D. Chaudhari Principal

P. E. S. Modern College of Pharmacy Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044.









()



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. GANESH DATTATRAY PORE declare that the thesis entitled "EVALUATION OF HYDROETHANOLIC EXTRACT OF MUSA PARADISIACA LINN. PEELS ON SUICIDE AND TRAIT RELATED BEHAVIORS IN EXPERIMENTAL ANIMALS" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. D. D. BANDAWANE and coguidance of DR. P. S. KORE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: |4|6/23

Mr. GANESH DATTATRAY PO

Place: Nigdi, Pune

P. E. S. Modern College of Pharmacy







MODERN COLLEGE OF PHARMACY NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

Dr. D.D.Bandawane
Professor and HOD,
Department of Pharmacology
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune - 44.

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "EVALUATION OF HYDROETHANOLIC EXTRACT OF MUSA PARADISIACA LINN. PEELS ON SUICIDE AND TRAIT RELATED BEHAVIORS IN EXPERIMENTAL ANIMALS"

submitted for degree of Master of Pharmacy, is the record of research work carried out by **Mr. Ganesh Dattatray Pore** under my guidance and supervision and that it has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23 Place: Nigdi, Pune



Dr. D. D. Bandawane Research Guide







MODERN COLLEGE OF PHARMACY NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

Dr. P. S. Kore
Assistant Professor,
Department of Pharmacology
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune - 44.

CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "EVALUATION OF HYDROETHANOLIC EXTRACT OF MUSA PARADISIACA LINN. PEELS ON SUICIDE AND TRAIT RELATED BEHAVIORS IN EXPERIMENTAL ANIMALS"

submitted for degree of Master of Pharmacy, is the record of research work carried out by **Mr. Ganesh Dattatray Pore** under my guidance and supervision and that it has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

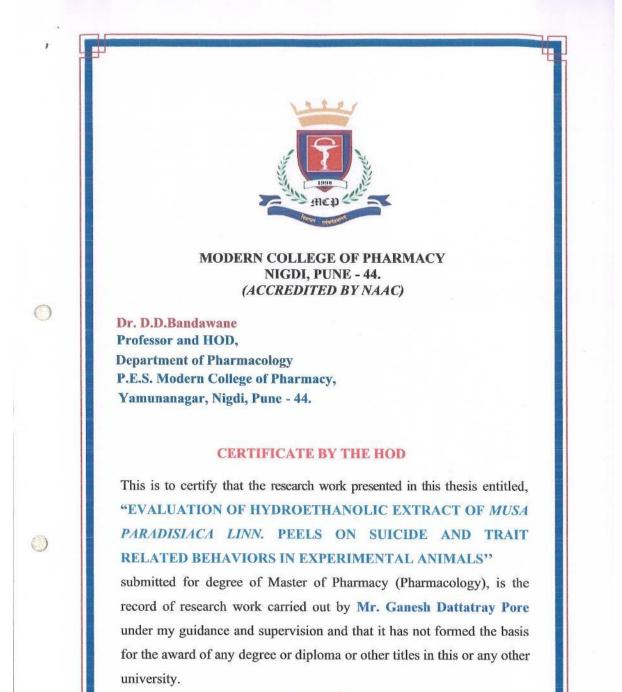
Place: Nigdi, Pune

Dr. P. S. Kore Research Co-Guide

> Sector No.21, Yamunanaga Pune - 411 044.







Date: 14/6/23

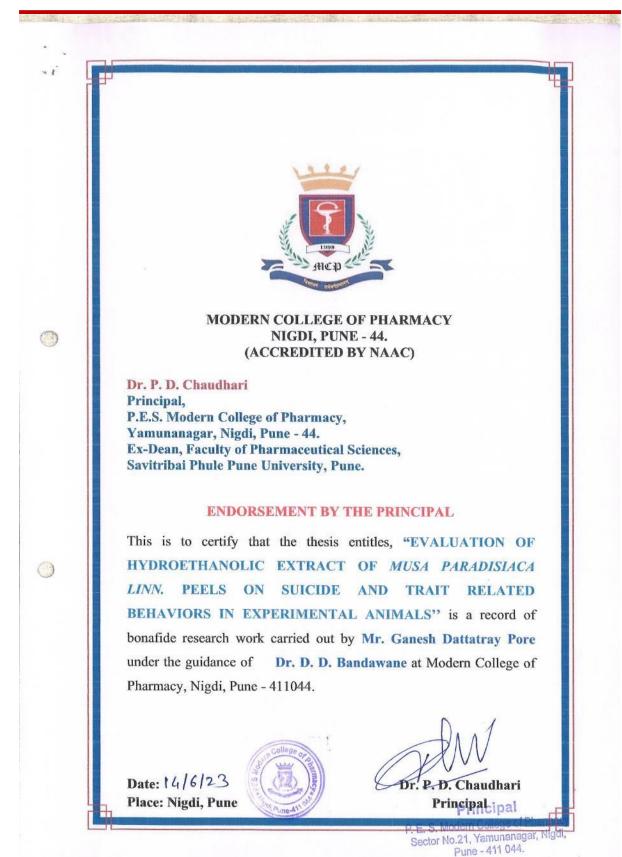
Place: Nigdi, Pune



Dr. D. D. Bandawane

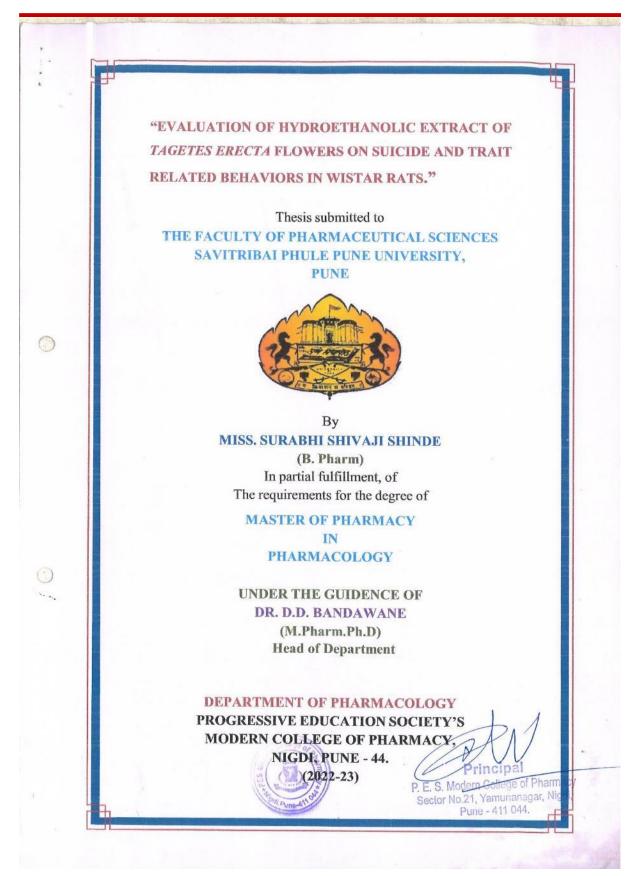
















SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

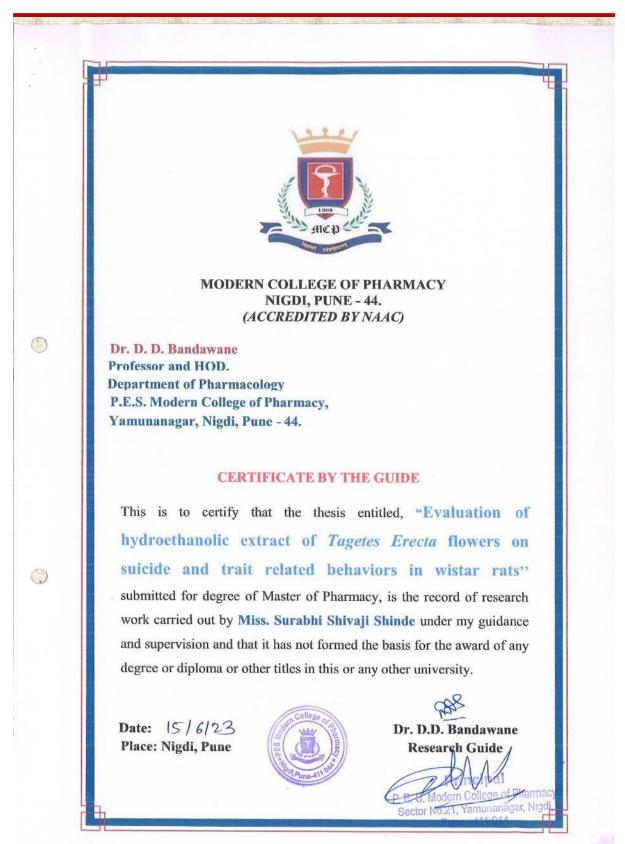
I am Miss. Surabhi Shivaji Shinde declare that the thesis entitled "Evaluation of hydroethanolic extract of Tagetes Erecta flowers on suicide and trait related behaviors in wistar rats." submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr. D. Bandawane and co-guidance of Dr. P. S. Kore has not formed the basis for the award of any degree or diploma other titles in this or any other university/organization

Date: 15/6/23 Place: Nigdi, Pune Miss. Surabhi Shivaji Shinde

NE. S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

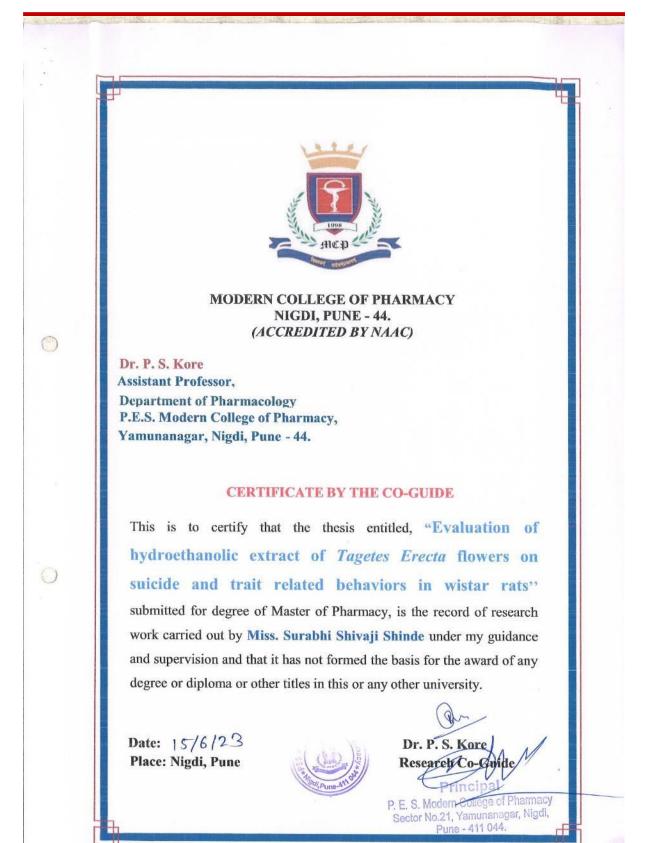






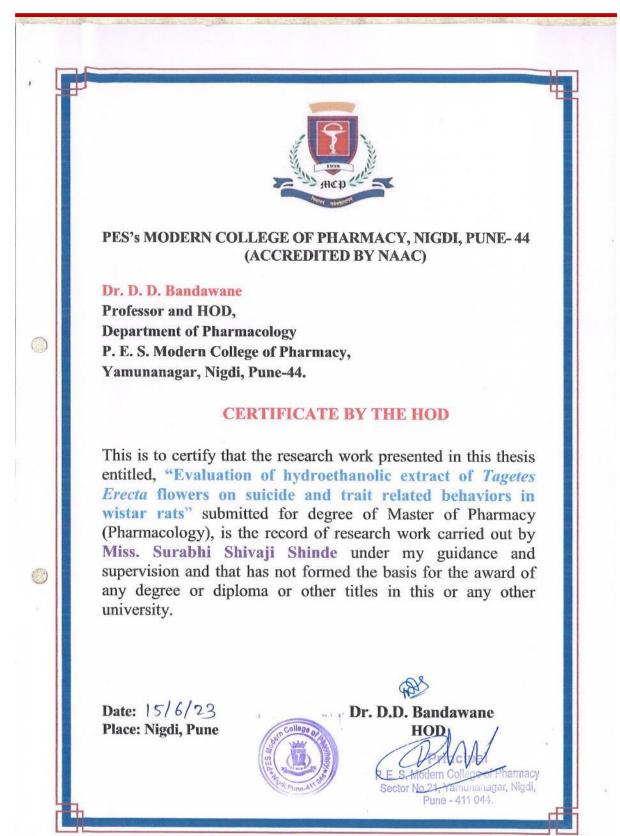






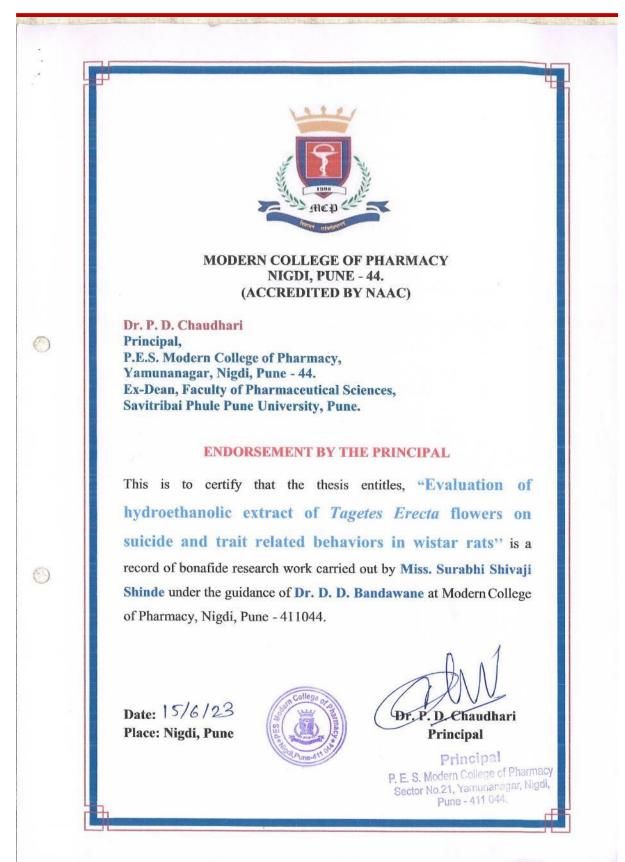






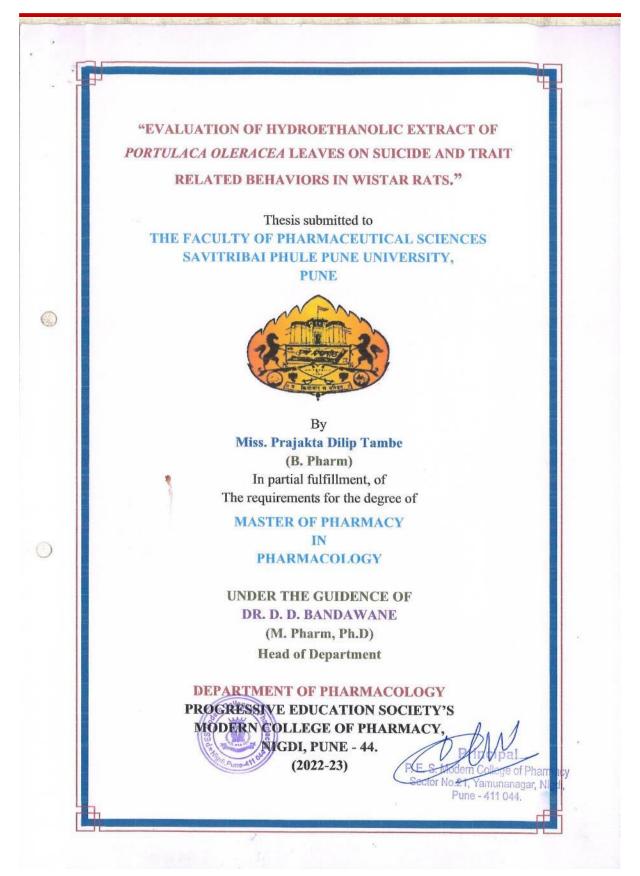






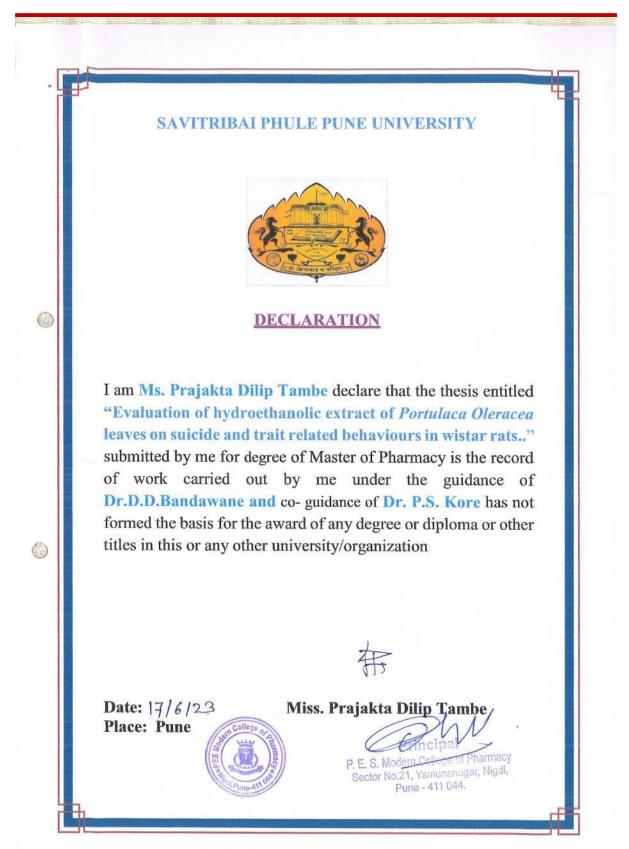






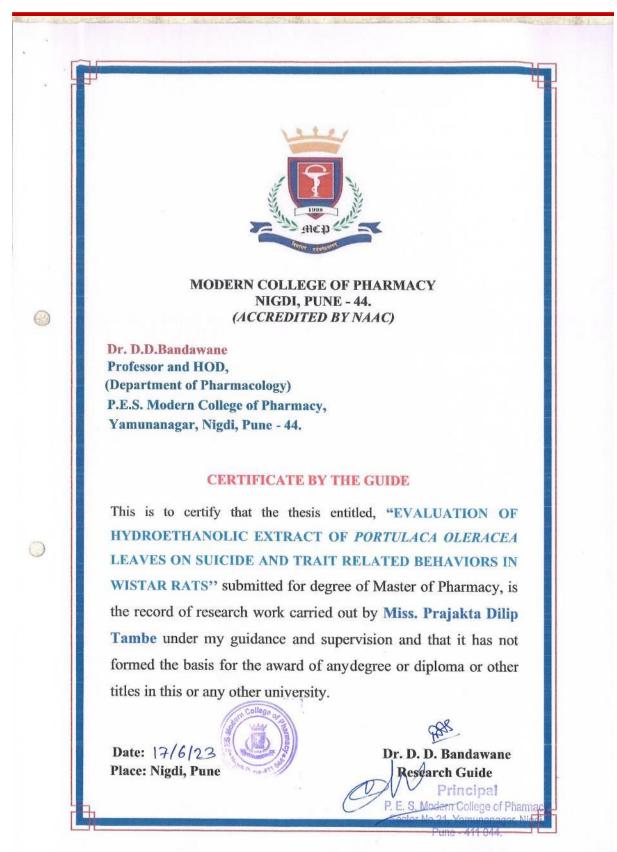






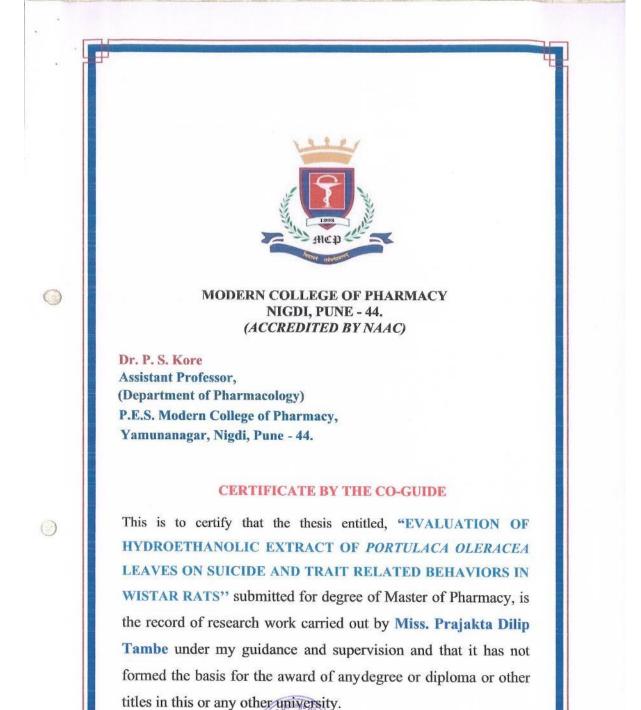












Date: 17/6/23 Place: Nigdi, Pune

Dr. P. S. Kore Research Co-Guide

> Sector No.21, Yamunanagar, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

Dr. D.D.Bandawane

Professor and HOD,
Department of Pharmacology
P. E. S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "Evaluation of hydroethanolic extract of Portulaca Oleracea leaves on suicide and trait related behaviours in wistar rats.." submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by Miss. Prajakta Dilip Tambe under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 17/6/23

Place: Pune

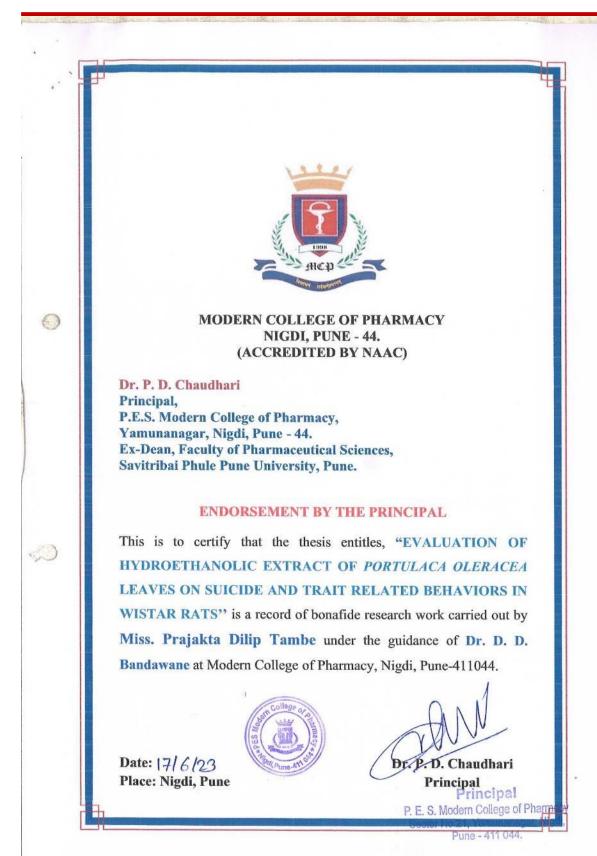


Dr. D.D. Bandawane

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Criteria 1: Curricular Aspects





Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314
E-mail: mcopnigdi44⊕gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal

Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council

Date- 16-06-2023

M.PHARM SECOND YEAR PHARMACEUTICS PROJECT DETAILS-2022-2023

Roll no	-Name	Research Topic	Guide Name
ı	Akhote Ashwini	Formulation and evaluation of herbal anti-oxidant for chronic disease treatment	Dr.A.A.Phatak
2	Biradar Shilpa	Formulation and evaluation of Dual drug loaded polymeric mixed micelles for anti-diabetic treatment.	Dr.N.M Gaikwad
3	Birajdar Akshada	Formulation and evaluation of dosage form of drug based on hot metal extrusion process	Dr.K.S.Shaikh
4	Borbane Mayuri	Crystal Engineering: Development of Pharmaceutical crystal of Ritonavir.	Dr.U.C.Galgatte
5	Garhwani Yogish	Formulation and evaluation of Rilpivirine loaded solid lipid nano particles (SLn)	Dr.S.S.Pimple
6	Godbharle Amrut	Formulation and evaluation of directly compressed polyherbal antelmintic tablet.	Dr. A.G.More
7	Khorde Rushikesh	Crystal Engineering: Co-Crystilization approach for Ritonavir to improve solubility.	Dr.U.C.Galgatte
8	Mahangade Aishwarya	Formulation and evaluation of wound healing Spray with calcium phosphate nanoparticles	Dr. A.G.More
9	Mahajan Gaurav	Some Studies on exploring potential of zeolites as a drug delivery carrier	Dr.S.S.Pimple
10	Maske Rutuja	Formulation and evaluation of Co- Crystals of Efavirenz	Dr.Λ.Λ.Phatak

STRIVING TOWARDS EXCELLENCE FOREVER



Criteria 1: Curricular Aspects



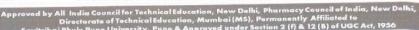


Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314 E-mail: mcopnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Prof. Dr. G. R. Ekbate M.S., M.N.A.M.S. Chairman, Business Council

Principal				Chairman, Bosine		
	11	Phalke Tushar	Formulation and Characterization of fast dissolving oral film of prochlorperazine maleate	Dr.S.S.Pimple		
	12	Pote Priyanka	Formulation and evaluation of dual drug loaded polymeric mixed micelles for Anti-epileptic treatment	Dr.N.M Gaikwad		
	13	Tidke Yashoda	Formulation and evaluation of Etoricoxib self-micro emulsifying mouth dissolving films (SMMDF) for periodontal diseases	Dr.U.S.Desai		
	14	Wable Apurva	Formulation development and evaluation of Darifenacin Hydro bromide nanoemulsion	Dr.A.A.Phatak		
	15	Wani Darshana	Development and Evaluation of Selenium and Climbazole nanoparticle laden Hydrogel for Seborrhéic Dermatitis / Sebopsoriasis.	Dr.U.S.Desai		
	16	Wankhede Shefali	Formulation and evaluation of liquid suppository Dosage form	Dr.K.S.Shaikh		

Dr.A.A.Phatak

HOD

Dr.P. D. Chaudhari

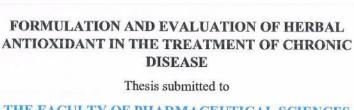


P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER







THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



By

Ms. Ashwini Dattatray Akhote

(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY IN PHARMACEUTICS

UNDER THE GUIDANCE OF

Dr. A. A. PATHAK

(M. Pharm, PhD)
Professor & HOD
(Dept of Pharmaceutics)
&

Mr. D. L. Visokar

(M. Pharm) Assistant professor (Dept of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI. PÜNE-44.

(2022 - 2023)

P. E. S. Moder College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.









DECLARATION

I Ms. Ashwini Dattatray Akhote declare that the thesis entitled, "Formulation and Evaluation of Antioxidant in treatment of Chronic Disease", submitted by me for degree of 'Master of Pharmacy' is the record of work carried out by me under the guidance of Dr. A. A. Pathak and Mr. D. L. Visokar and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 15/6/23

Place: pune

Ms. Ashwini D. Akhote

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. ATUL A. PHATAK

Head of Department & Professor, (PHARMACEUTICS), P. E. S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF ANTIOXIDANT IN TREATMENT OF CHRONIC DISEASE" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MISS. ASHWINI DATTATRAY AKHOTE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 15/6/23

Place: Pune

Dr. Atul A. Phatak

P.E. S. Medern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation and Evaluation of Antioxidant in treatment of Chronic Disease", submitted for degree of Master of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titlesin this or any other University.

Date: 15/6/23

Place: pune

Dr. A.A.Pathak

(M. Pharm PhD)

Guide

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.

3





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "Formulation and Evaluation of Antioxidant in treatment of Chronic Disease", submitted for degree of Master of Pharmacy, is the recordof research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titlesin this or any other University.

Date: 15/6/23

Place: pune

Mr. D. L. Visokar

(M. Pharm)

Research Co-Guide

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

1





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation and Evaluation of Antioxidant in treatment of Chronic Disease", is a record of bonafide research work carried out by Ms. Ashwini D. Akhote Under the guidance of Mr.A.A.Pathak and Co-Guidance of Mr. D. L. Visokar at Modern College of Pharmacy, Nigdi, Pune- 411044.

Date: 15/6/23

Place: pyne

Chaudhari

(Principal)

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

5





"FORMULATION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-DIABETIC TRATMENT"

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Shilpa Sanjaykumar Biradar

(B. Pharm.)

In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

OF PHARIVIACY

IN

Pharmaceutics

Under the Guidance of Dr. N.M. Gaikwad (M. Pharm, Ph.D) Associate Professor

(Dept. of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY,

NIGDI, PUNE-44

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MS. SHILPA SANJAYKUMAR BIRADAR declare that the thesis entitled "FORMULATION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-DIABETIC TREATMENT" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. N.M. GAIKWAD has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization.

Date: 01/06/2023

Place: Pune

Ms. Shilpa Sanjaykumar Biradar

P. K. S. Modern College of Pharmacy Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. N. M. GAIKWAD

Associate Professor, Department of Pharmaceutics, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "FORMUALTION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-DIABETIC TREATMENT" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MS. SHILPA SANJAYKUMAR BIRADAR under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 01/06/2023

Place: Pune

College The Park of the Park o

Dr. N.M. Gajkwad Research Guide

> P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. ATUL A. PHATAK

Head of Department, (PHARMACEUTICS) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-DIABETIC TREATMENT" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MS. SHILPA SANJAYKUMAR BIRADR under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 01/06/2023

Place: Pune

Dr. Atul A. Phatak

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "FORMULATION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-DIABETIC TREATMENT". For MASTER PHARMACY (PHARMACEUTICS) is a record of bonafide research work carried out by MS. SHILPA SANJAYKUMAR BIRADAR under the guidance of DR. N.M. GAIKWAD at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2021-2022.

Date: 01 | 06 | 2023

Place: Nigdi, Pune

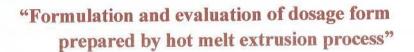
Dr. P.D. Chaudhari Principal

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Thesis submitted to

THE FACULTY OF

PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Miss. Birajdar Akshata Balaji

(B. Pharm.)

In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN

Pharmaceutics

Under the Guidance of

Dr. K S. Shaikh

(M. Pharm. PhD)

Professor

(Department Of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S

AODERN COLLEGE OFPHARMACY

NIGDI, PUNE-44

(2022-23)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

-





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MISS. BIRAJDAR AKSHATA BALAJI declare that the thesis entitled "Formulation and evaluation of dosage form prepared by hot melt extrusion process" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. K. S. SHAIKH has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization.

Date: 15/6/23

Place: Pune

Miss. Birajdan Akshata Balaji

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







DR. K. S. SHAIKH

Professor,
Department Of Pharmaceutics
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "Formulation and evaluation of dosage form prepared by hot melt extrusion process" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MISS. BIRAJDAR AKSHATA BALAJI under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 15/6/23

Place: Pune

Dr. K. S. Shaikh Research Guide

> P. E. S. Modern Correge of A. Nigdi, Sector No. 27, Yamunanagar, Nigdi, Pune - 411 044.







DR. ATUL A. PHATAK

Head of Department, (PHARMACEUTICS) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "Formulation and evaluation of dosage form prepared by hot melt extrusion process" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MISS. BIRAJDAR AKSHATA BALAJI under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 15/6/23

Place: Pune

Sin College or College

Dr. Atul A. Phatak







DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Formulation and evaluation of dosage form prepared by hot melt extrusion process". For Master of pharmacy (pharmaceutics) is a record of bonafide research work carried out by MISS. BIRAJDAR AKSHATA BALAJI under the guidance of DR. K. S. SHAIKH at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2021-2022.

Date: 15/6/23 Place: Nigdi, Pune Sen College Or Sen Co

r. P.D. Chaudhari Principal





"CRYSTAL ENGINEERING: DEVELOPMENT OF PHARMACEUTICAL COCRYSTALS OF RITONAVIR"

Thesis submitted to THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By Miss. MAYURI SHASHIKANT BORBANE

(B. Pharm.)

In partial fulfillment of

The requirements for the degree of

MASTER OF PHARMACY

PHARMACEUTICS

Under the Guidance of

Dr. UPENDRA C. GALGATTE

(M. Pharm. PhD)

Associate

Professor

(Dept. of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Miss. MAYURI SHASHIKANT BORBANE declare that the thesis entitled "CRYSTAL ENGINEERING: DEVELOPMENT OF PHARMACEUTICAL COCRYSTALS OF RITONAVIR" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr. UPENDRA C. GALGATTE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization.

Date: 14/6/23

Place: Nigdi, Pune

Miss. MAYURI SHASHIKANT BORBANI







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. UPENDRA C. GALGATTE

Associate Professor, Department of Pharmaceutics, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "CRYSTAL ENGINEERING: DEVELOPMENT OF PHARMACEUTICAL COCRYSTALS OF RITONAVIR" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by Miss. MAYURI SHASHIKANT BORBANE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Nigdi, Pune

Dr. Upendra C. Galgatte
Associate professor

Research Guide

P. E. Schodern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES' MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. ATUL A. PHATAK

Head of Department, (PHARMACEUTICS) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "CRYSTAL ENGINEERING: DEVELOPMENT OF PHARMACEUTICAL COCRYSTALS OF RITONAVIR" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by Miss. MAYURI SHASHIKANT BORBANE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Pune

Dr. Atul A. Phatak

Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "CRYSTAL ENGINEERING: DEVELOPMENT OF PHARMACEUTICAL COCRYSTALS OF RITONAVIR" is a record of bonafide research work carried out by Miss. MAYURI SHASHIKANT BORBANE under the guidance of DR. UPENDRA C. GALGATTE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 14/6/23 Place: Nigdi, Pune Si Ame At 10 dd

Principal A





"FORMULATION AND EVALUATION OF RILPIVIRINE LOADED SOLID LIPID NANOPARTICLES"

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. GARHWANI YOGISH DHARMDAS

(B. Pharm.)

In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN

Pharmaceutics

Under the Guidance of Dr. SMITA S. PIMPLE (M. Pharm. PhD) Professor

(Dept. of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY

NIGDI, PUNE-44

(2022-23)

E. S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. GARHWANI YOGISH DHARMDAS declare that the thesis entitled "FORMULATION AND EVALUATION OF RILPIVIRINE LOADED SOLID LIPID NANOPARTICLES" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. SMITA S. PIMPLE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 17/6/23

Mr. GARHWANI YOGISH DHARMDAS

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

Place: Pune







DR. SMITA S. PIMPLE

Professor, Department of Pharmaceutics, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF RILPIVIRINE LOADED SOLID LIPID NANOPARTICLES" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MR. GARHWANI YOGISH DHARMDAS under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 17/6/23

Place: Pune

Dr. Smita S. Pimple Research Guide

> Sector No.21, Yernunanagar, Nigdi, Pune - 411 044.







DR. ATUL A. PHATAK

Head of Department & Professor, (PHARMACEUTICS), P. E. S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF RILPIVIRINE LOADED SOLID LIPID NANOPARTICLES" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MR. GARHWANI YOGISH DHARMDAS under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 17/6/23

Place: Pune

Dr. Atul A. Phatak

P. E. S. Modern College of Pr

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "FORMULATION AND EVALUATION OF RILPIVIRINE LOADED SOLID LIPID NANOPARTICLES". For MASTER OF PHARMACY (PHARMACEUTICS) is a record of bonafide research work carried out by MR. GARHWANI YOGISH DHARMDAS under the guidance of DR. SMITA S. PIMPLE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 17/6/23 Place: Nigdi, Pune

Dr. P.D. Chaudhari Principal





"FORMULATION AND EVALUATION OF DIRECTLY COMPRESSED POLYHERBAL ANTHELMINTIC TABLET"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. AMRUT NAMDEV GODBHARLE

(B. Pharmacy)

In partial fulfillment of

The requirements for the degree of

MASTER OF PHARMACY IN

PHARMACEUTICS

Under the Guidance of

DR. ANURADHA G. MORE

(M. Pharm, Ph.D.)

(Department of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY NIGDI, PUNE

2021-2023





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I, Mr. AMRUT NAMDEV GODBHARLE declares

that the thesis entitled "Formulation and Evaluation of directly compressed polyherbal anthelmintic tablet" submitted by me for my Degree of Master of Pharmacy is the record of work carried out by me under the guidance of **DR. ANURADHA G. MORE** and has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 14/6/23

Colle

Mr. Amrut Namdey Godbhar

Place: pune

P. K. S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





Dr. Anuradha G. More

Professor, **Department of Pharmaceutics** P. E.S. Modern College of Pharmacy Nigdi, Pune-44



PES's MODERN COLLEGE OF PHARMACY

NIGDI, PUNE-44

(ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation And Evaluation of directly compressed anthelmintic polyherbal tablet" submitted for the degree of Master of Pharmacy, is the record of research work carried out by Mr. Amrut Namdev Godbharle under my guidance and supervision and that this has not formed the basis for the award of any degree or diplomaor other titles in this or any other University.

Date: 14/6/23

Dr. Anuradha G More

Place: Pune

Assistant Professor

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





DR. P. D. Chaudhari

Principal, P. E.S. Modern College of Pharmacy, Yamuna nagar, Nigdi, Pune-44 Ex. Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



PES's MODERN COLLEGE OF PHARMACY

NIGDI, PUNE-44

(ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation And Evaluation of directly compressed polyherbal anthelmintic tablet" submitted for the degree of Master of Pharmacy, is the record of bonafide research work carried out by Mr. Amrut N. Godbharle under the guidance of Dr. Anuradha G. More at P.E.S's Modern College of Pharmacy, Nigdi, Pune-44.

Date 14/6/23

Place: pune

Dr. Pravin D.

Principal

Principal





"CRYSTAL ENGINEERING: CO-CRYSTALLIZATION APPROACH FOR RITONAVIR TO IMPROVE SOLUBILITY"

Thesis submitted to

THE FACULTY OF

PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. KHORDE RUSHIKESH VIKRAM

(B. Pharm.)

In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN

Pharmaceutics

Under the Guidance of
Dr. UPENDRA C. GALGATTE
(M. Pharm. PhD)
Associate Professor
(Dept. of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,

NIGDI, PUNE-44 (2022-23)





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. KHORDE RUSHIKESH VIKRAM declare that the thesis entitled "CRYSTAL ENGINEERING: CO-CRYSTALLIZATION APPROACH FOR RITONAVIR TO IMPROVE SOLUBILITY" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. UPENDRA C. GALGATTE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 16/6/23

Place: Pune

Mr. KHORDE RUSHIKESH VIKRAM

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







DR. UPENDRA C. GALGATTE

Associate Professor, Department of Pharmaceutics, P. E. S. Modern College of Pharmacy, Nigdi, Pune-44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled. "CRYSTAL **ENGINEERING:** CRYSTALLIZATION APPROACH FOR RITONAVIR TO IMPROVE SOLUBILITY" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MR. KHORDE RUSHIKESH VIKRAM under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

Place: Pune

Dr. Upendra C. Galgatte

Research Guide

P. E. S. Modern College of Pharma Sector No.21, Yamunanagar, Nigd

Pune - 411 044







DR. ATUL A. PHATAK

Head of Department & Professor, (PHARMACEUTICS), P. E. S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "CRYSTAL ENGINEERING: CO-CRYSTALLIZATION APPROACH FOR RITONAVIR TO IMPROVE SOLUBILITY" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MR. KHORDE RUSHIKESH VIKRAM under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

Place: Pune

Dr. Atul A. Phatak

HUD

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "CRYSTAL ENGINEERING: CO-CRYSTALLIZATION APPROACH FOR RITONAVIR TO IMPROVE SOLUBILITY". For MASTER OF PHARMACY (PHARMACEUTICS) is a record of bonafide research work carried out by MR. KHORDE RUSHIKESH VIKRAM under the guidance of DR. UPENDRA C. GALGATTE at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: |6 / 6/23 Place: Nigdi, Pune Dr. P.D. Chaudhari Principal





"FORMULATION AND EVALUATION OF WOUND HEALING SPRAY WITH CALCIUM PHOSPHATE **NANOPARTICLES** "

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Miss. AISHWARYA SHIVAJI MAHANGADE

(B. Pharmacy)

In partial fulfillment of

The requirements for the degree of

MASTER OF PHARMACY IN

PHARMACEUTICS

Under the Guidance of

DR. ANURADHA G. MORE

(M. Pharm, Ph.D.)

(Department of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY NIGDLY

2022-2023

College of Pharmacy

Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.

P. E. S. Mode





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I, Miss. AISHWARYA SHIVAJI MAHANGADE declares that the thesis entitled "Formulation and Evaluation of Wound Healing spray with Calcium Phosphate Nanoparticles" submitted by me for my Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. ANURADHA G. MORE and has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 19 /06 / 2023

Miss. Aishwarya Shivaji Mahang

Amhangade

Place: Nigdi, Pune





Dr. Anuradha G. More

Professor,
Department of Pharmaceutics
P. E.S. Modern College of Pharmacy
Nigdi, Pune-44



PES's MODERN COLLEGE OF PHARMACY

NIGDI, PUNE-44

(ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation And Evaluation of Wound Healing Spray with Calcium Phosphate Nanoparticles" submitted for the degree of Master of Pharmacy, is the record of research work carried out by Miss. Aishwarya Shivaji Mahangade under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 19/06/2023.

Place: Nigdi, Pune.,

Dr. Anuradha G More

Assistant Professor





Dr. Atul A Phatak

Head of the Department, **Department of Pharmaceutics** P. E.S. Modern College of Pharmacy Nigdi, Pune-44



PES's MODERN COLLEGE OF PHARMACY

NIGDI, PUNE-44

(ACCREDITED BY NAAC)

CERTIFICATE BY THE H.O.D

This is to certify that the thesis entitled, "Formulation And Evaluation of Wound Healing Spray with Calcium Phosphate Nanoparticles" submitted for the degree of Master of Pharmacy, is the record of research work carried out by Miss. Aishwarya Shivaji Mahangade under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 19/06/2023

Dr. Atul A Phatak

Place: Nigdi, Pune

H.O.D.





DR. P. D. Chaudhari

Principal, P. E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44 Ex. Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44

(ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled ,"Formulation And Evaluation of Wound Healing Spray with Calcium Phosphate Nanoparticles" submitted for the degree of Master of Pharmacy, is the record of bonafide research work carried out by Miss. Aishwarya S. Mahangade under the guidance of Dr. Anuradha G. More at P.E.S's Modern College of Pharmacy, Nigdi, Pune-44.

Date |9 |06 | 2023

Dr. Prayin D. Chaudhari

Place: Nigdi, Pune!

Principal





"SOME STUDIES ON EXPLORING POTENTIAL OF ZEOLITES AS A DRUG DELIVERY CARRIER"

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By Mr. MAHAJAN GAURAV ARUN

(B. Pharm.)

In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN

Pharmaceutics

Under the Guidance of
Dr. SMITA S. PIMPLE
(M. Pharm. PhD)
Professor
(Dept. of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY,

NIGDI, PUNE-44

(2022-23)





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. MAHAJAN GAURAV ARUN declare that the thesis entitled "SOME STUDIES ON EXPLORING POTENTIAL OF ZEOLITES AS A DRUG DELIVERY CARRIER" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. SMITA S. PIMPLE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 14/6/23

Place: Pune

College of Parties of

Mr. MAHAJAN GAURAYARUN







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. SMITA S. PIMPLE

Professor, Department of Pharmaceutics, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "SOME STUDIES ON EXPLORING POTENTIAL OF ZEOLITES AS A DRUG DELIVERY CARRIER" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MR. MAHAJAN GAURAV ARUN under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Pune

Dr. Smita S. Pimple Research Guide

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044







DR. ATUL A. PHATAK

Head of Department & Professor, (PHARMACEUTICS), P. E. S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "SOME STUDIES ON EXPLORING POTENTIAL OF ZEOLITES AS A DRUG DELIVERY CARRIER" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MR. MAHAJAN GAURAV ARUN under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Pune

Dr. Atul A. Phatak







DR. P. D. CHAUDHARI

Principal,
P. E. S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune-44.
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis "SOME **STUDIES** ON **EXPLORING** POTENTIAL OF ZEOLITES AS A DRUG DELIVERY CARRIER". For MASTER OF PHARMACY (PHARMACEUTICS) is a record of bonafide research work carried out by MR. MAHAJAN GAURAV ARUN under the guidance of DR. SMITA S. PIMPLE at PES's Modern College of Pharmacy, Nigdi, Pune-44 during the academic year 2022-2023.

Date: 14/6/23 Place: Nigdi, Pune College of
Dr. P. D. Chaudhari Principal





"FORMULATION AND EVALUATION OF CO-CRYSTALS OF EFAVIRENZ"

Thesis Submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAL PHULE PUNE UNIVERSITY, PUNE



BY

MISS. RUTUJA ZUMBER MASKE

(B. PHARM)

In partial fulfillment of the

Requirements for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

Under the Guidance of

DR. ATUL A. PHATAK

(Professor and Head, Department of pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (2022-23)

(ACCREDITED BY NAAC and NBA)







"FORMULATION AND EVALUATION OF CO-CRYSTALS OF EFAVIRENZ



A THESIS SUBMITTED TO

SAVITRIBAL PHULE PUNE UNIVERSITY

FOR THE AWARD OF DEGREE

MASTER OF PHARMACY

IN

PHARMACEUTICS

SUBMITTED BY

MISS. RUTUJA ZUMBER MASKE

(B. PHARM)

UNDER THE GUIDANCE OF

DR. ATUL A. PHATAK

(Professor and Head,

Department of pharmaceutics)

RESEARCH CENTER

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

(ACCREDITED BY NAAC)

(2022-23)

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044







DECLARATION BY THE CANDIDATE

I, Miss. Rutuja Zumber Maske declare that the thesis entitled "Formulation and Evaluation of co-crystals of antiviral drug efavirenz" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr. Atul A. Phatak and has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 01 | 06 | 2023

Place: Nigdi, Rune ...

Ms. Rutuja Zumber Maske

Principal P.E.S. Modern College o







Dr. Atul A. Phatak

Professor and Head,

Department of Pharmaceutics,

PES Modern College of pharmacy

Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation And Evaluation of co-crystals of antiviral drug Efavirenz" submitted for degree of Master of Pharmacy, is the record of research work carried out by Miss. Rutuja Zumber Maske under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 01 06 2023

Place: Nigdi, Bune

Dr. Atul A. Phatak

(Professor and Head

Department of pharmaceutics)

Research guide

PES MODERN COLLEGE OF PHARMACY, NIGDI PUNE-44

Principal

P. E. S. Modern College of Pharmacy

Pune - 411 UTT







Dr. Atul A. Phatak

Professor and Head,

Department of Pharmaceutics,

PES Modern College of pharmacy

Nigdi, Pune-44

CERTIFICATE BY THE HOD

This is to certify that the thesis entitled, "Formulation And Evaluation of co-crystals of antiviral drug Efavirenz" submitted for degree of Master of Pharmacy, is the record of research work carried out by Miss. Rutuja Zumber Maske under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 01 06 2023

Place: Nigdi, Bune

Dr. Atul A. Phatak

(Professor and Head

Department of pharmaceutics)

PES MODERN COLLEGE OF PHARMACY, NIGDI PUNE-A







DR. P. D. Chaudhari

Principal.

P.E.S. Modern College of pharmacy,

Yamunanagar, Nigdi, Pune-44

Ex. Dean, Faculty of Pharmaceutical Sciences,

Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation and Evaluation of Co-crystals of Antiviral Drug Efavirenz" submitted for degree of Master of Pharmacy, is the record of bonafide research work carried out by Miss. Rutuja Zumber Maske under the guidance of Dr. Atul A. Phatak at P.E.S's Modern College of Pharmacy, Nigdi, Pune-44.

Date: 01 06 2023

Place: Nigdi, Rune

Dr. Pravin D. Chaudhari

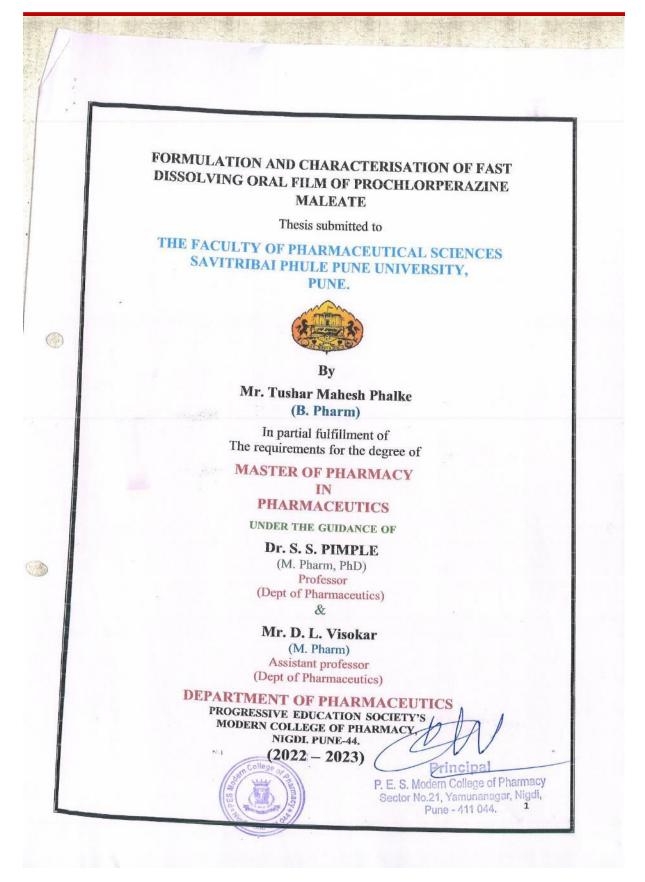
Principal

Principal
P. E. S. Modern College of Pharmacy
Sector No. 21 Yammacay

Pune - 411 044















DECLARATION

I Mr. Tushar Mahesh Phalke declare that the thesis entitled, "Formulation and characterization of fast dissolving oral film of prochlorperazine maleate", submitted by me for degree of 'Master of Pharmacy' is the record of work carried out by me under the guidance of Dr. S. S. Pimple and Mr. D. L. Visokar and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 14/6/23

Place: Pune

Mr. Tushar M. Phalke

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation and characterization of fast dissolving oral film of prochlorperazine maleate", submitted for degree of Master of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titlesin this or any other University.

Date: 14/6/23

Place: Pune

Dr. S. S. Pimple

(M. Pharm PhD)

Guide

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "Formulation and characterization of fast dissolving oral film of prochlorperazine maleate", submitted for degree of Master of Pharmacy, is the recordof research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titlesin this or any other University.

Date: 14/6/23

Place: Pune

Mr. D. L. Visoka

(M. Pharm)

Research Co-Guide

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







DR. ATUL A. PHATAK

Head of Department & Professor, (PHARMACEUTICS), P. E. S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND CHARACTERIZATION OF FAST DISSOLVING ORAL FILM OF PROCHLORPERAZINE MALEATE" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MR. PHALKE TUSHAR MAHESH under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Pune

Dr. Atul A. Phatak

1







ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation and characterization of fast dissolving oral film of prochlorperazine maleate", is a record of bonafide research work carried out by Mr. Phalke Tushar Mahesh Under the guidance of Ms. S. S. Pimple and Co-Guidance of Mr. D. L. Visokar at Modern College of Pharmacy, Nigdi, Pune-411044.

Date: 1416/23

Place: pune

Dr. P. D. Chaudhari
(Principal)

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





"FORMULATION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-EPILEPTIC TREATMENT"

Thesis submitted to

THE FACULTY OF

PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Priyanka Dadabhau Pote

(B. Pharm.)

In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN

Pharmaceutics

Under the Guidance of Dr. N. M. Gaikwad (M. Pharm, Ph.D) Associate Professor (Dept. of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY.

NIGDI, PUNE-44

(2022-23)





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MS. PRIYANKA DADABHAU POTE declare that the thesis entitled "FORMULATION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-EPILEPTIC TREATMENT" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. N. M. GAIKWAD has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization.

Date: 01/06/20 23

Place: Pune

San College of College

Ms. Priyanka Dadabhau Pote







DR. N. M. GAIKWAD

Associate Professor, Department of Pharmaceutics, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "FORMUALTION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-EPILEPTIC TREATMENT" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MS. PRIYANKA DADABHAU POTE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 01/06/2023

Place: Pune

Dr. N.M. Gaikwad Research Guide

P. E. S. Modern College of Pharm

Principal

Pune - 411 044







DR. ATUL A. PHATAK

Head of Department, (PHARMACEUTICS) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-EPILEPTIC TREATMENT" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MS. PRIYANKA DADABHAU POTE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 01/06/2023

Place: Pune

I

Dr. Atul A. Phatak







DR. P. D. CHAUDHARI

Principal, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "FORMULATION AND EVALUATION OF DUAL DRUG LOADED POLYMERIC MIXED MICELLES FOR ANTI-EPILEPTIC TREATMENT". For MASTER PHARMACY (PHARMACEUTICS) is a record of bonafide research work carried out by MS.PRIYANKA DADABHAU POTE under the guidance of DR. N.M. GAIKWAD at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2021-2022.

Date: 01/06/2023

Place: Nigdi, Pune

Dr. P.D. Chaudhari Principal

> Principal P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,





Formulation and Evaluation of Etoricoxib Self micro emulsifying mouth dissolving films (SMMDF)for periodontal diseases.

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCESSAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



By

Ms. Yashoda Navnath Tikde

(B. Pharm)

For the award of degree

MASTER OF PHARMACY

IN

PHARMACEUTICS

UNDER THE GUIDANCE OF

Dr. K. S. Shaikh (M. Pharm, PhD)

Professor

(Dept of Pharmaceutics)

&

Dr. U. S. Desai (M. Pharm, PhD)

Assistant professor

(Dept of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE - 44.

(ACCREDITED BY NAAC)

(2022 - 2023)



Principal
P. Modern College of Pharmacy
Sector No. 21, Tamunanagar, Nigdi,
Pune - 411.044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. Yashoda Navnath Tikde declare that the thesis entitled, "Formulation and Evaluation of Etoricoxib Self micro emulsifying mouth dissolving films (SMMDF) for periodontal diseases." submitted by me for degree of 'Master of Pharmacy' is the record of work carried out by me under the guidance of Dr. K. S. Shaikh and Dr. U.S. Desai and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 17/6/23

Place: Pune

Ms. Yashoda Tidke







CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation and Evaluation of Etoricoxib Self micro emulsifying mouth dissolving films (SMMDF) for periodontal diseases." submitted for degree of Master of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 17/6/23

Place: pune

Dr. K. S. Shaikh (M. Pharm, PhD) Research Guide







CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "Formulation and Evaluation of Etoricoxib Self micro emulsifying mouth dissolving films (SMMDF) for periodontal diseases.", submitted for degree of Master of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 17/6/23

Place: pune.

Dr. U. S. Desai (M. Pharm, PhD) Research Co-Guide

AVV

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation and Evaluation of Etoricoxib Self micro emulsifying mouth dissolving films (SMMDF) for periodontal diseases." is a record of bonafide research work carried out by Ms. Yashoda Navnath Tidke under the guidance of Dr. K. S. Shaikh and Co-Guidance of Dr. U. S. Desai at Modern College of Pharmacy, Nigdi, Pune-411044.

Date: 17/6/23

Place: Pune

Dr. P. D. Chaudhari

(Principal)





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation and Evaluation of Etoricoxib Self micro emulsifying mouth dissolving films (SMMDF) for periodontal diseases." is a record of bonafide research work carried out by Ms. Yashoda Navnath Tidke under the guidance of Dr. K. S. Shaikh and Co-Guidance of Dr. U. S. Desai at Modern College of Pharmacy, Nigdi, Pune- 411044.

Date: 17/6/23

Place: Pune

Dr. A. A. Phatak HOD





"FORMULATION DEVELOPMENT AND EVALUATION OF DARIFENACIN

HYDROBROMIDE NANOEMULSION"

Thesis Submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAL PHULE PUNE UNIVERSITY, PUNE



BY

MISS. APURVA NITIN WABALE

(B. PHARM) .

In partial fulfillment of the

Requirements for the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

Under the Guidance of

DR. ATUL A. PHATAK

(Professor and Head, Department of pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (2022-23)

(ACCREDITED BY NAAC and NBA)









"FORMULATION DEVELOPMENT AND EVALUATION OF DARIFENACIN

HYDROBROMIDE NANOEMULSION"



A THESIS SUBMITTED TO

SAVITRIBAL PHULE PUNE UNIVERSITY

FOR THE AWARD OF DEGREE

MASTER OF PHARMACY

IN ·

PHARMACEUTICS

SUBMITTED BY

MISS. APURVA NITIN WABALE

(B. PHARM)

UNDER THE GUIDANCE OF

DR. ATUL A. PHATAK

(Professor and Head,

Department of pharmaceutics)

RESEARCH CENTER

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

(ACCREDITED BY NAAC)

(2022-23)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044







DECLARATION BY THE CANDIDATE

I, Miss. Apurva Nitin Wabale declare that the thesis entitled "FORMULATION DEVELOPMENT AND EVALUATION OF DARIFENACIN HYDROBROMIDE NANOEMULSION" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of Dr. Atul A. Phatak and has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 01 06 2023

Place: Nigdi, Rune

College of the state of the sta

Ms. Apurva Nitin Wabale







Dr. Atul A. Phatak

Professor and Head,

Department of Pharmaceutics,

PES Modern College of pharmacy

Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "FORMULATION DEVELOPMENT AND EVALUATION OF DARIFENACIN HYDROBROMIDE NANOEMULSION" submitted for degree of Master of Pharmacy, is the record of research work carried out by Miss. Apurva Nitin Wabale under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 01 06 2023

Place: Nigdi, Rune

Dr. Atul A. Phatak

(Professor and Head

Department of pharmaceutics)

Research Guide

PES MODERN COLLEGE OF PHARMACY, NIGDI PUNE-44

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Puna - 414 044







PES'S MODERN COLLEGE OF PHARMACY

NIGDI, PUNE-44

(ACCREDITED BY NAAC)

Dr. Atul A. Phatak

Professor and Head,

Department of Pharmaceutics,

PES Modern College of pharmacy

Nigdi, Pune-44

CERTIFICATE BY THE HOD

This is to certify that the thesis entitled, "FORMULATION DEVELOPMENT AND EVALUATION OF DARIFENACIN HYDROBROMIDE NANOEMULSION" submitted for degree of Master of Pharmacy, is the record of research work carried out by Miss. Apurva Nitin Wabale under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 01 06 2023

Place: Nigdi, Rune

Dr. Atul A. Phatak

(Professor and Head

Department of pharmaceutics)

PES MODERN COLLEGE OF PHARMACY, NIGDI PUN



(1)





DR. P. D. Chaudhari

Principal.

P.E.S. Modern College of pharmacy,

Yamunanagar, Nigdi, Pune-44

Ex. Dean, Faculty of Pharmaceutical Sciences,

Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "FORMULATION DEVELOPMENT AND EVALUATION OF DARIFENACIN HYDROBROMIDE NANOEMULSION" submitted for degree of Master of Pharmacy, is the record of bonafide research work carried out by Miss. Apurva Nitin Wabale under the guidance of Dr. Atul A. Phatak at P.E.S's Modern College of Pharmacy, Nigdi, Pune-44.

Date: 01/06/2023

Place: Nigdi, Pune

Dr. Prayin D. Chaudhari

Principal





Development and Evaluation of Selenium and Climbazole Nanoparticles Laden Hydrogel for Sebopsoriasis.

Thesis submitted to
THE FACULTY OF PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



By MS. DARSHANA H. WANI

In Partial Fullfillment of The Requirements for the degree of

MASTER OF PHARMACY IN PHARMACEUTICS

UNDER THE GUIDANCE OF Dr. Upendra C. Galgatte (M. Pharm, PhD) Associate Professor

CO-GUIDE

Dr. Ujwala S. Desai

(M. Pharm, PhD)

Assistant Professor

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE

(ACCREDITED BY NAAC)

(2022 - 2023)





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Ms. Darshana H. Wani declare that the thesis entitled, "Development and Evaluation of Selenium and Climbazole Nanoparticles Laden Hydrogel for Sebopsoriasis." submitted by me for degree of 'Master of Pharmacy' is the record of work carried out by me under the guidance of Dr. U. C. Galgatte & Dr. U. S. Desai and has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization.

Date: 16/6/23

Place: Nigdi, Pune

Ms. Darshana H. Wani

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY

Nigdi, Pune-44.



DR. UPENDRA C. GALGATTE

Associate Professor,
Department of Pharmaceutics
P. E. S. Modern College of Pharmacy,
Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Development and Evaluation of Selenium and Climbazole Nanoparticles Laden Hydrogel for Sebopsoriasis." submitted for degree of Master of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

Dr. Upendra C. Galgatte

Place: Nigdi, Pune

(Associate Professor)







DR. UJWALA S. DESAI

Assistant Professor, Department of Pharmaceutics P. E. S. Modern College of Pharmacy, Nigdi, Pune-44

CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "Development and Evaluation of Selenium and Climbazole Nanoparticles Laden Hydrogel for Sebopsoriasis." submitted for degree of Master of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: |6/6/23

Place: Nigdi, Pune

Dr. Ujwala S. Desai

(was

(Assistant Professor)

Sector No.21, Yamananagar, Nigdl, Pune - 411 044.







CERTIFICATE BY THE HOD

This is to certify that the thesis entitled, "Development and Evaluation of Selenium and Climbazole Nanoparticles Laden Hydrogel for Seborrheic Dermatitis" submitted for degree of Master of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: |6/6/23

Place: Nigdi, Pune

Dr. Atul P. Phatak

(1100)







DR. P.D. CHAUDHARI

Principal, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Development and Evaluation of Selenium and Climbazole Nanoparticles Laden Hydrogel for Sebopsoriasis" is a record of bonafide research work carried out by Ms. Darshana Harishchandra Wani under the guidance of Dr. U. C. Galgatte and Dr. U. S. Desai at Modern College of Pharmacy, Nigdi, Pune - 411044.

Date: 16/6/23 Place: Nigdi, Pune r. P. D. Chaudhari (Principal)





"FORMULATION AND EVALUATION OF LIQUID SUPPOSITORY DOSAGE FORM"

Thesis submitted to

THE FACULTY OF

PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
Miss. SHEFALI DINESHRAO WANKHADE

(B. Pharm.)

In partial fulfillment of
The requirements for the degree of
MASTER OF PHARMACY

IN

Pharmaceutics

Under the Guidance of
Dr. K. S. SHAIKH
(M. Pharm. PhD)
Professor
(Dept. of Pharmaceutics)

(Dept. of Final maceuties)

PROGRESSIVE EDUCATION SOCIETYS

MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

(2022-23)





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Miss. SHEFALI DINESHRAO WANKHADE declare that the thesis entitled "FORMULATION AND EVALUATION OF LIQUID SUPPOSITORY DOSAGE FORM" submitted by me for degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. K. S. SHAIKH has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 14/6/23

Place: Pune

Smoothoolf

Miss. SHEFALI DINESHRAO WANKHADE







DR. K. S. SHAIKH

Professor,
Department of Pharmaceutics,
P.E.S. Modern College of Pharmacy,
Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF LIQUID SUPPOSITORY DOSAGE FORM" submitted for degree of Master of Pharmacy (Pharmaceutics) is the record of research work carried out by MISS. SHEFALI DINESHRAO WANKHADE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Pune

College Or Samuel College Or Ame-Angle

Dr. K. S. Shaikh Research Guide







DR. ATUL A. PHATAK

Head of Department, (PHARMACEUTICS) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF LIQUID SUPPOSITORY DOSAGE FORM" submitted for degree of Master of Pharmacy (Pharmaceutics), is the record of research work carried out by MISS. SHEFALI DINESHRAO WANKHADE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Pune

college

Dr. Atul A. Phatak HOD







DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "FORMULATION AND EVALUATION OF LIQUID SUPPOSITORY DOSAGE FORM". For MASTER OF PHARMACY (PHARMACEUTICS) is a record of bonafide research work carried out by MISS. SHEFALI DINESHRAO WANKHADE under the guidance of DR. K. S. SHAIKH at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2021-2022.

Date: (4/6/23 Place: Nigdi, Pune

Dr. P.D. Chaudhari Principal







Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Tachnical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Parmanently Affiliated to Savitribai Phule Pune University, Pune & Approved under Saction 2 (f) & 12 (8) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune 411 044. (M.S.) Tel. : 020-27661315 Fax: 020-27661314 E-mail : mcopnigdi44@gmail.com Website : www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council

Date- 16-06-2023

M.PHARM SECOND YEAR PHARMACEUTICAL CHEMISTRY PROJECT DETAILS 2022-2023

Roll no	Name	Research Topic	Guide Name
201	Geeta anil anawade	Design, synthesis and evaluation of some MAO-B inhibitors as Anti-Alzheimer's agents.	Mr. S.Y. Chaudhari
202	Dnyaneshwari ravindra chopade	Design, synthesis and evaluate antioxidant, antibacterial and anti- inflammatory activity of some Luteolin derivatives.	Dr Pallavi Patil
203	Rutuja udhav gaikwad	Synthesis, purification, isolation and characterization of key impurities of Metoprolol.	Dr. A. S. Tapkir
204	Shraddha Prakashrao gaikwad	Design and synthesis of novel pyridopyrimidine derivatives as selective jak inhibitors in antineoplastic activity.	Dr. S. B. Jadhav
205	Sahil shyam gawande	Design, synthesis and evaluation of quinoline derivatives as Anti-Cancer agents.	Dr. S. B. Jadhav
206	Virendrakumar madhukar kamble	Bile Acid Functionalized π- conjugated Derivatives: Synthesis & Biological evaluation.	Dr. S. B. Jadhav
207	Vaishnavi sanjay magar	Design, synthesis and evaluation of di-hydro pyrimidinone derivatives as Anti-Cancer agents.	Dr. S. B. Jadhav
208	Sueha Nandkumar Rashinkar	Synthesis, Purification and characterization of some impurities of Bisoprolol.	Dr. A. S. Tapkir
209	Asavari Ramesh Shinde	Design, synthesis and evaluation of some NMDA receptor antagonists as Anti-Alzheimer's agents.	Mr. S.Y. Chaudhari
210	Namrata Narsingrao Shinde	Design, synthesis and evaluation of some GSK- 3 Beta inhibitors as Anti-Alzheimer's agents.	Mr. S.Y. Chaudhari

STRIVING TOWARDS EXCELLENCE FOREVER

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.









Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC

Best College Award by Savitribai Phule Pune University



Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi
Directorate of Technical Education, Mumbai (MS), Permanently Affiliated to
Savitribai Phule Pune University. Pune & Approved under Section 2 (f) & 12 (8) of UGC Act, 1956

Section No.21, Yamunanagar, Nigdi, Pune-411 044. (M.S.) Tel.: 020-27661315 Fax: 020-2766131

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Prof. Dr. G. R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council

Principal		Chairman, Business Cou	
Sanket Rajendra Shirsath	Design, synthesis and evaluation of some BACE-1 inhibitors as Anti- Alzheimer's agents.	Mr. S.Y. Chaudhari	
Mayuri Bharat Suryawanshi	Design, synthesis and evaluate antioxidant, antibacterial and anti-inflammatory activity of some Apigenin derivatives.	Dr Pallavi Patil	
Radhika Somnath Vyavahare	Design, Synthesis and Biological Evaluation of some naphthoquinone derivatives as Anti-Alzheimer agents	Dr. S. B. Jadhav	
Pradnya Sangram Waghmare	Synthesis, purification and characterization of some impurities of propranolol.	Dr. A. S. Tapkir	
	Principal Sanket Rajendra Shirsath Mayuri Bharat Suryawanshi Radhika Somnath Vyavahare Pradnya Sangram	Sanket Rajendra Shirsath Design, synthesis and evaluation of some BACE-1 inhibitors as Anti-Alzheimer's agents. Mayuri Bharat Suryawanshi antioxidant, antibacterial and anti-inflammatory activity of some Apigenin derivatives. Radhika Somnath Vyavahare Design, synthesis and evaluate antioxidant, antibacterial and anti-inflammatory activity of some Apigenin derivatives. Pradnya Sangram Pradnya Sangram Waghmare Synthesis, purification and characterization of some impurities	

Dr.S.B.Jadhav

H.O.D

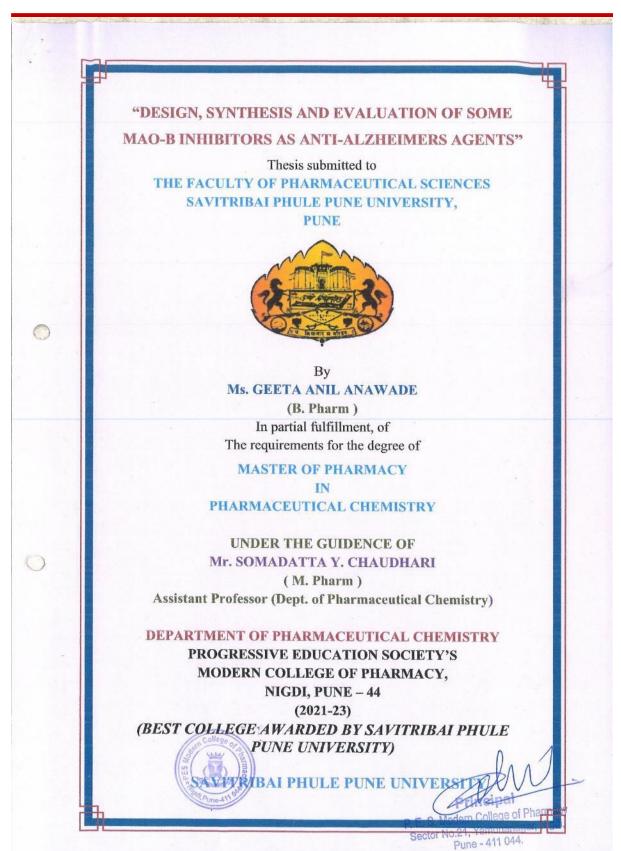
Chaudhari RINCIPAL

P.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune -411 044.

STRIVING TOWARDS EXCELLENCE FOREVER

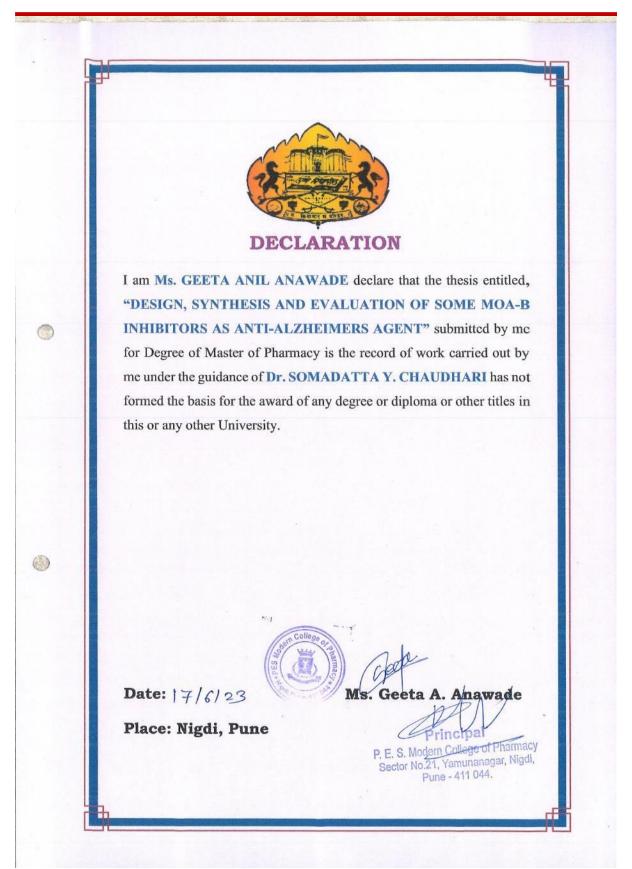






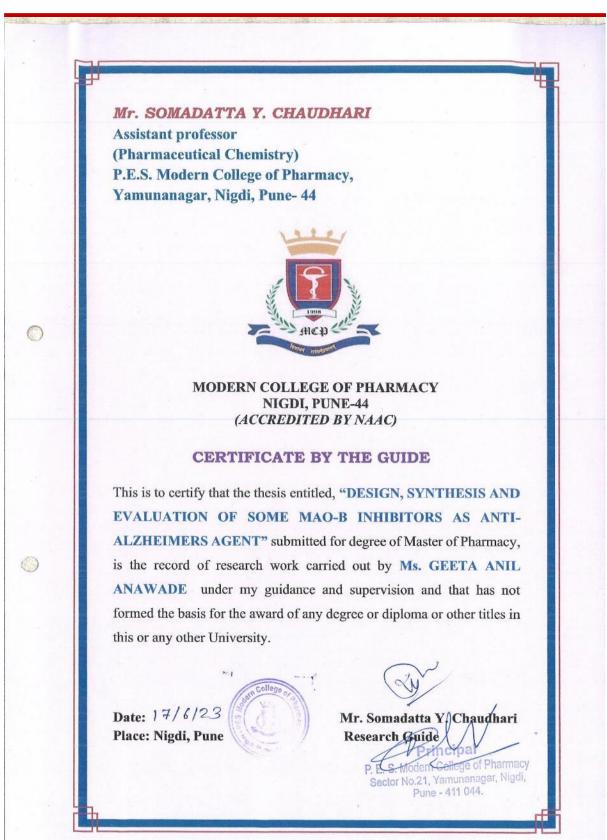


















Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "DESIGN, SYNTHESIS AND EVALUATION OF SOME MAO-B INHIBITORS AS ANTI-ALZHEIMERS AGENT" is a record of bonafide research work carried out by Ms. GEETA A. ANAWADE under the guidance of Mr. SOMADATTA Y. CHAUDHARI at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 17/6/23

Place: Nigdi, Pune

Dr. P. D. Chaudhari

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi.





"DESIGN, SYNTHESISE AND EVALUATE THE ANTIOXIDANT, ANTIBACTERIAL, AND ANTI-INFLAMMATORY ACTIVITY OF SOME LUTEOLIN DERIVATIVES"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
MS. DNYANESHWARI RAVINDRA CHOPADE
(B. PHARM)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

Under the Guidance of DR. PALLAVI M. PATIL (M. PHARM Ph.D.)

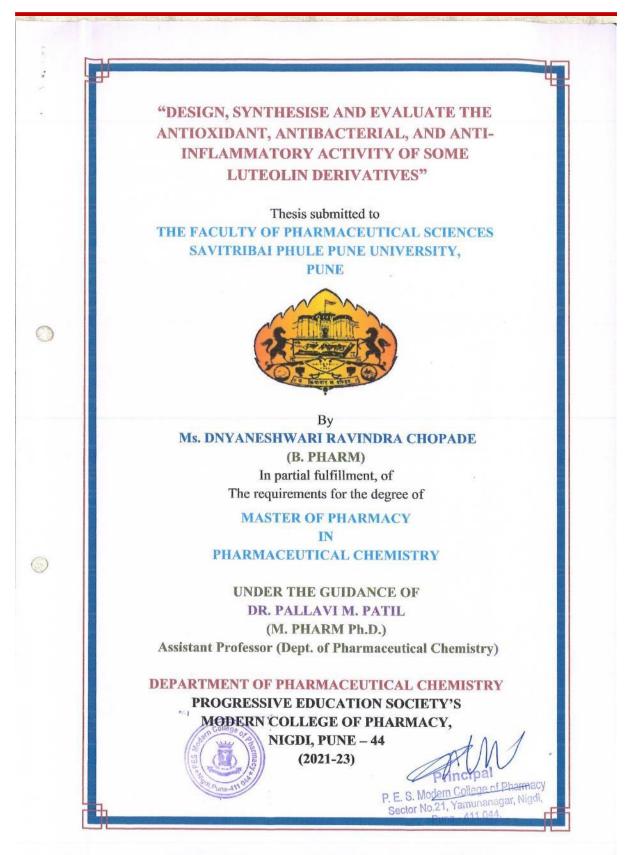
Assistant Professor
Department of Pharmaceutical Chemistry

PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE OF PHARMACY, NIGDI PUNE
(2021-23)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. DNYANESHWARI RAVINDRA CHOPADE declare that the thesis entitled, "DESIGN, SYNTHESIS, AND EVALUATE THE ANTIOXIDANT, ANTIBACTERIAL, AND ANTI-INFLAMATORY ACTIVITY OF SOME LUTEOLIN DERIVATIVES" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. PALLAVI M. PATIL has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 12-06-2023

Ms. DNYANESHWARI CHOPADE

Place: Nigdi, Pune



Principal
P. E. S. Modern College of Pharma
Sector No.21, Yamunanagar, Nig













Principal,
P.E.S. Modern College of Pharmacy,
Yamuna Nagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "DESIGN, SYNTHESIS, AND EVALUATE THE ANTIOXIDANT, ANTIBACTERIAL, AND ANTI-INFLAMATORY ACTIVITY OF SOME LUTEOLIN DERIVATIVES" is a record of bonafide research work carried out by Ms. DNYANESHWARI RAVINDRA CHOPADE under the guidance of Dr. PALLAVI M. PATIL at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 12-06-2023

Place: Nigdi, Pune

Dr. P. D. Chaudhari

Principal

Principal

Principal

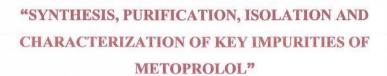
Principal

Principal

Pune - 411 044







Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
MS. RUTUJA UDHAV GAIKWAD
(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACUETICAL CHEMISTRY

Under the Guidance of DR. AMIT S. TAPKIR

(M. Pharm)

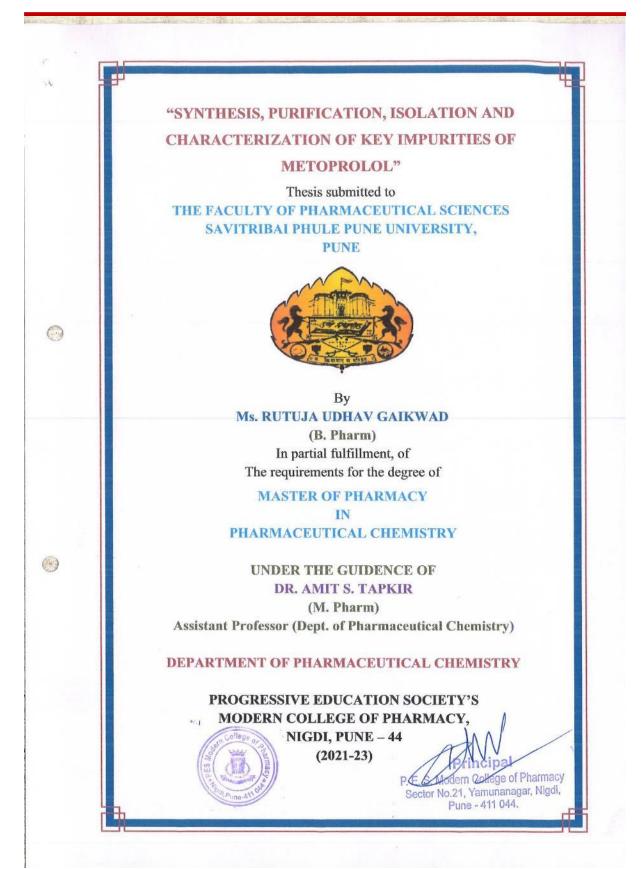
Assistant Professor Department of Pharmaceutical Chemistry

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE (2021-23)

Sector N9.21, Yallunana Pune - 411 044.











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE **PUNE UNIVERSITY**)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. RUTUJA UDHAV GAIKWAD declare that the thesis entitled, "SYNTHESIS, AND PURIFICATION, **ISOLATION CHARACTERIZATION** OF KEY **IMPURITIES** OF METOPROLOL" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. AMIT S. TAPKIR has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 14/6/23

Place: Nigdi, Pune

Ms. Rutuja U. Gaikwad

odern College of Pharmacy

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044



0



DR. AMIT S. TAPKIR

Professor (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "SYNTHESIS, PURIFICATION, ISOLATION AND CHARACTERIZATION OF KEY IMPURITIES OF METOPROLOL" submitted for degree of Master of Pharmacy, is the record of research work carried out by Ms. RUTUJA U. GAIKWAD under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

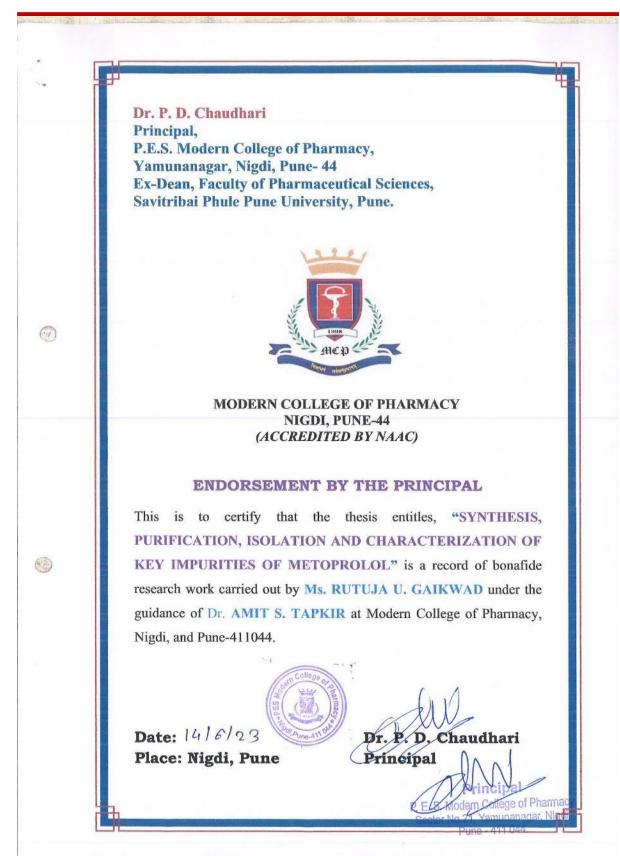
Date: 14/6/23 Place: Nigdi, Pune College Or Designation of the Colleg

Dr. Amit S. Tapkir Research Guide

5. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.











"DESIGN AND SYNTHESIS OF NOVEL
PYRROLOPYRIMIDINE DERIVATIVES AS SELECTIVE
JAK INHIBITORS IN ANTINEOPLASTIC ACTIVITY"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
MS. SHRADDHA PRAKASHRAO GAIKWAD
(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

Under the Guidance of DR. SHAILAJA B JADHAV

(M. Pharm, Ph.D.)

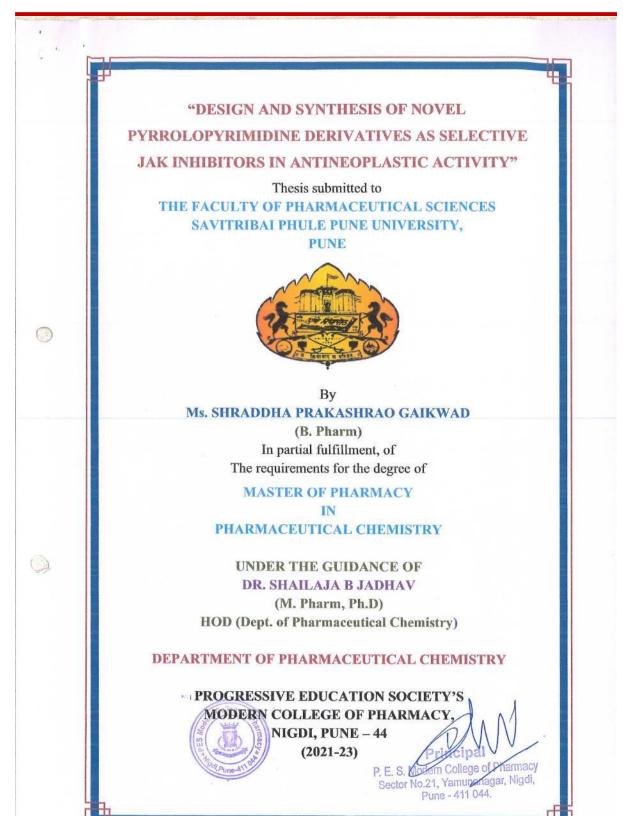
Assistant Professor and HOD
Department of Pharmaceutical Chemistry

PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE OF PHARMACY, NIGOTI PUNE
(2021-23)

Sector No.21, Yamunanagar, Niggil













SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. SHRADDHA PRAKASHRAO GAIKWAD declare that the thesis entitled, "DESIGN AND SYNTHESIS OF NOVEL PYRROLOPYRIMIDINE DERIVATIVES AS SELECTIVE JAK INHIBITORS IN ANTINEOPLASTIC ACTIVITY" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. SHAILAJA B JADHAV has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 10/06/2023

Place: Nigdi, Pune

Ms. Shraddha P. Gaikwad

E. Villageri College ector No.21, Yamumanagar, Nigdi,



(1)



DR. SHAILAJA B JADHAV

Professor and HOD

(Pharmaceutical Chemistry P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "DESIGN AND SYNTHESIS

OF NOVEL PYRROLOPYRIMIDINE DERIVATIVES AS SELECTIVE JAK INHIBITORS IN ANTINEOPLASTIC ACTIVITY" submitted for degree of Master of Pharmacy, is the record of research work carried out by Ms. SHRADDHA P. GAIKWAD under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 10/06/23

Place: Nigdi, Pune

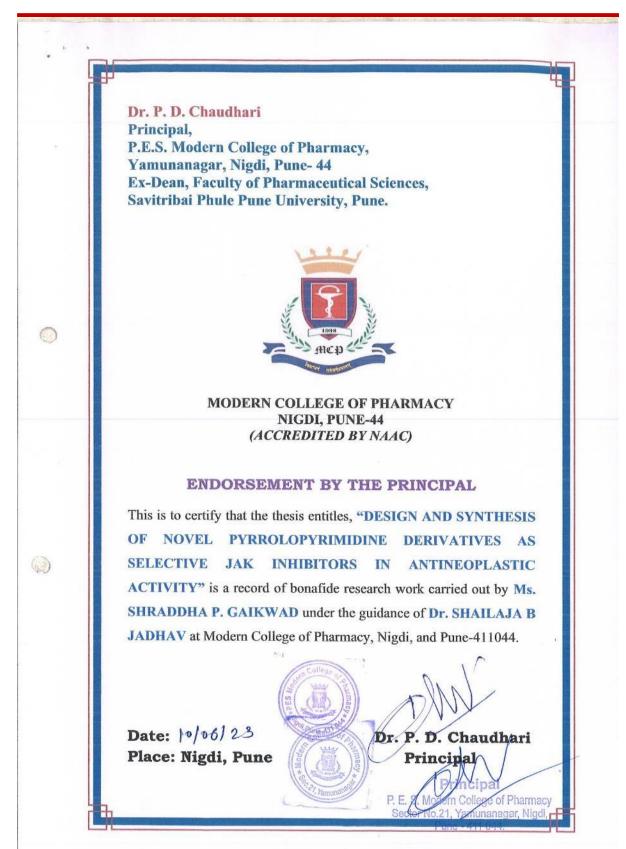
Dr. Shailaja B Jadhav

Research C

Pune - 411 044.





















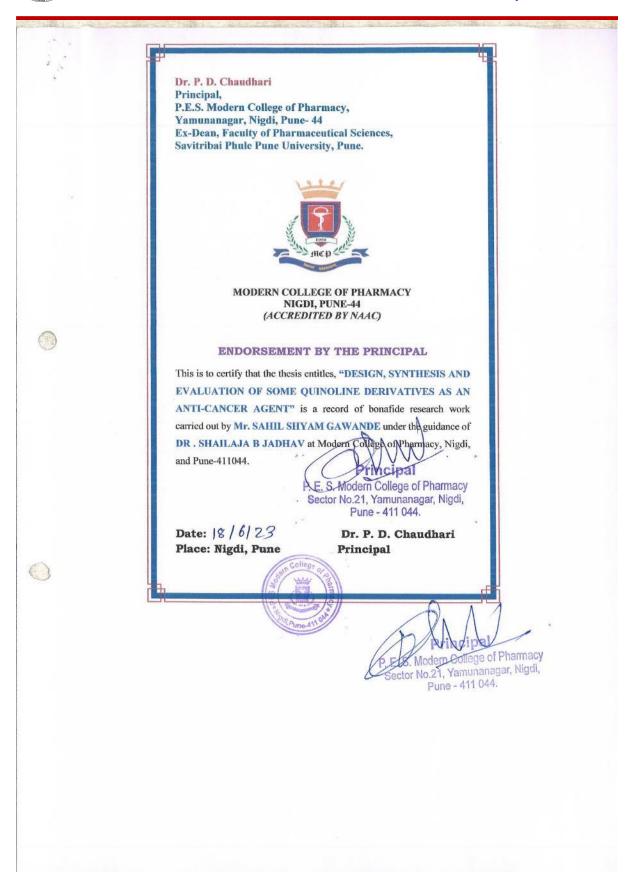


















Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY,
PUNE



By
Mr. VIRENDRAKUMAR MADHUKAR KAMBLE
(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACUETICAL CHEMISTRY

Under the Guidance of DR. SHAILAJA B JADHAV

(M. Pharm, Ph.D.)

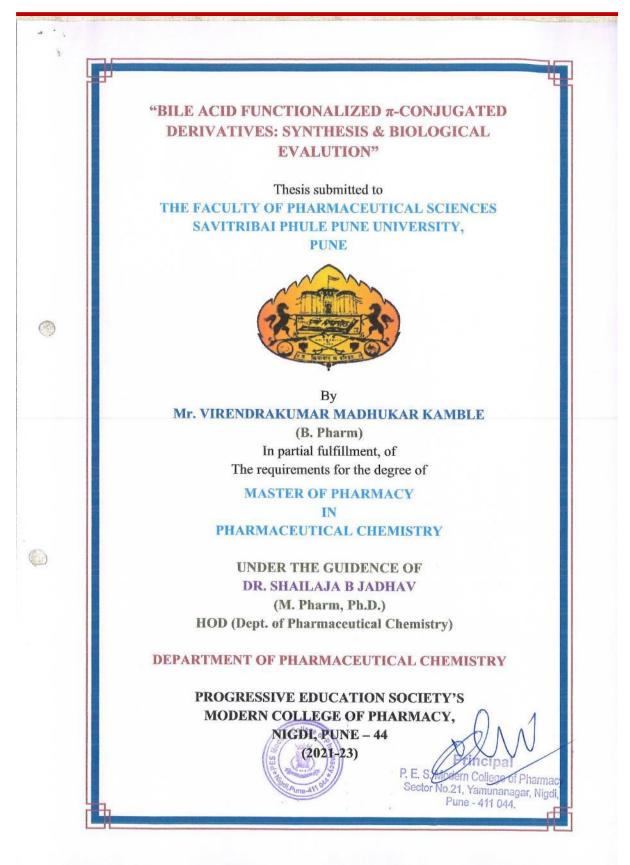
Assistant Professor and HOD
Department of Pharmaceutical Chemistry

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI PUNE (2021-23)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Mr. VIRENDRAKUMAR MADHUKAR KAMBLE declare that the thesis entitled, "BILE ACID FUNCTIONALIZED π -CONJUGATED DERIVATIVES: SYNTHESIS & BIOLOGICAL EVALUTION" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. SHAILAJA B JADHAV has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 12-06-2023

Mr. Virendrakumar M. Kamble

Place: Nigdi, Pune

Medern College of Pharmacy No.21, Yamunanagar, Nigdi, Pune - 411 044.





DR. SHAILAJA B JADHAV

Professor and HOD (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "BILE ACID FUNCTIONALIZED π-CONJUGATED DERIVATIVES: SYNTHESIS & BIOLOGICAL EVALUTION" submitted for degree of Master of Pharmacy, is the record of research work carried out Mr. VIRENDRAKUMAR MADHUKAR KAMBLE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 12/06/2023

Place: Nigdi, Pune



Dr. Shailaja B Jadhay Research Guide

> Sector No.21, Yamunanaga Pune - 411 044.





DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "BILE ACID FUNCTIONALIZED π-CONJUGATED DERIVATIVES: SYNTHESIS & BIOLOGICAL EVALUTION" is a record of bonafide research work carried out by Mr. VIRENDRAKUMAR MADHUKAR KAMBLE under the guidance of Dr. SHAILAJA B JADHAV at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 12/06/2023

Place: Nigdi, Pune

Vamunahada

Dr. P. D. Chaudhari Principal A

P. F. Modern College of Phan

Pune - 411 044.

















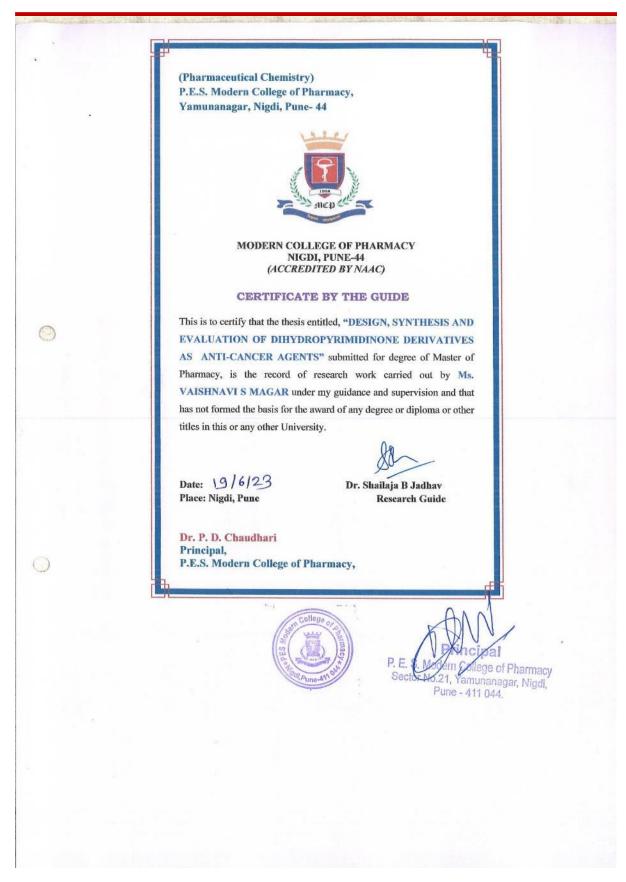






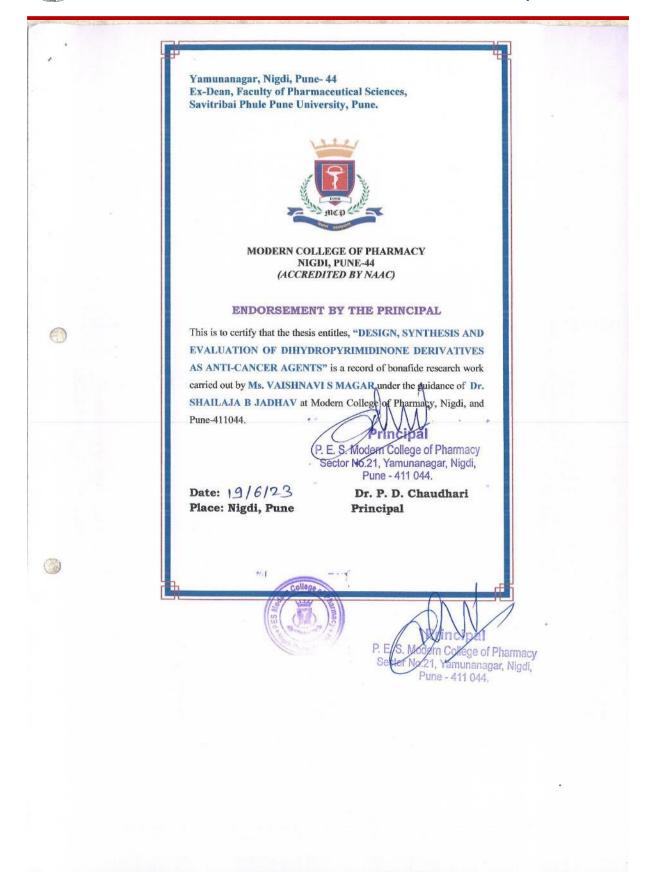






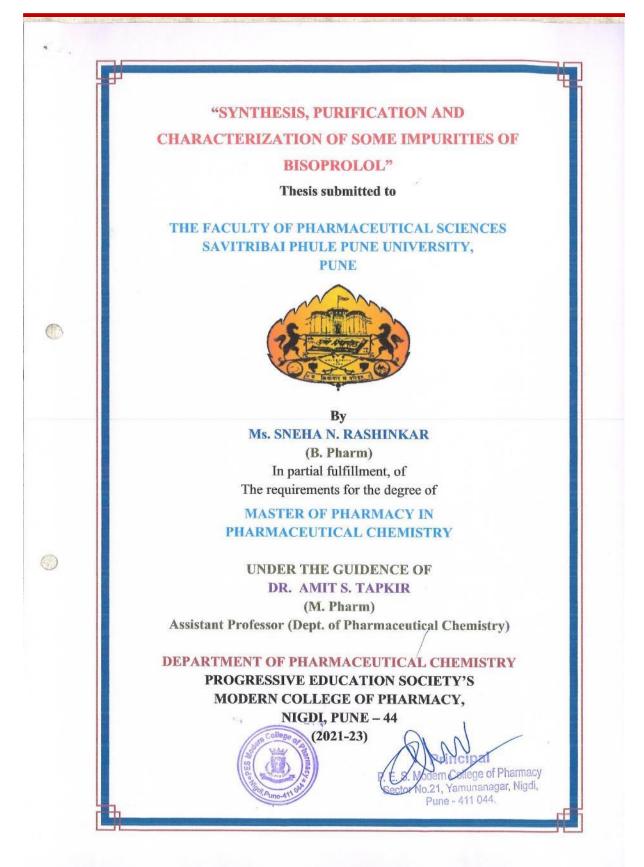
















(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE **PUNE UNIVERSITY**)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. SNEHA NANDKUMAR RASHINKAR declare that the thesis entitled, "SYNTHESIS, **PURIFICATION** AND CHARACTERIZATION OF SOME **IMPURITIES** BISOPROLOL" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. AMIT S. TAPKIR has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 18/6/23

Place: Nigdi, Pune

Ms. SNEHA N. R

P. E. S. Middern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







Assistant Professor (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "SYNTHESIS, PURIFICATION AND CHARACTERIZATION OF SOME IMPURITIES OF BISOPROLOL" submitted for degree of Master of Pharmacy, is the record of research work carried out by Ms. SNEHA N. RASHINKAR under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 18/6/23

Place: Nigdi, Pune

Dr. AMIT S. TAPKIR Research Guide

8. Modern College of Pharmacy oth No.21, Yamunanagar, Nigdi, Pune - 411 044.





Dr. P. D. Chaudhari

Principal,

P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44 Ex-Dean, Faculty of Pharmaceutical Sciences,

Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "SYNTHESIS, PURIFICATION AND CHARACTERIZATION OF SOME IMPURITIES OF BISOPROLOL" is a record of bonafide research work carried out by Ms. SNEHA N. RASHINKAR under the guidance of DR. AMIT S. TAPKIR at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 18/6/23

Place: Nigdi, Pune

Dr. P. D. Chaudhari

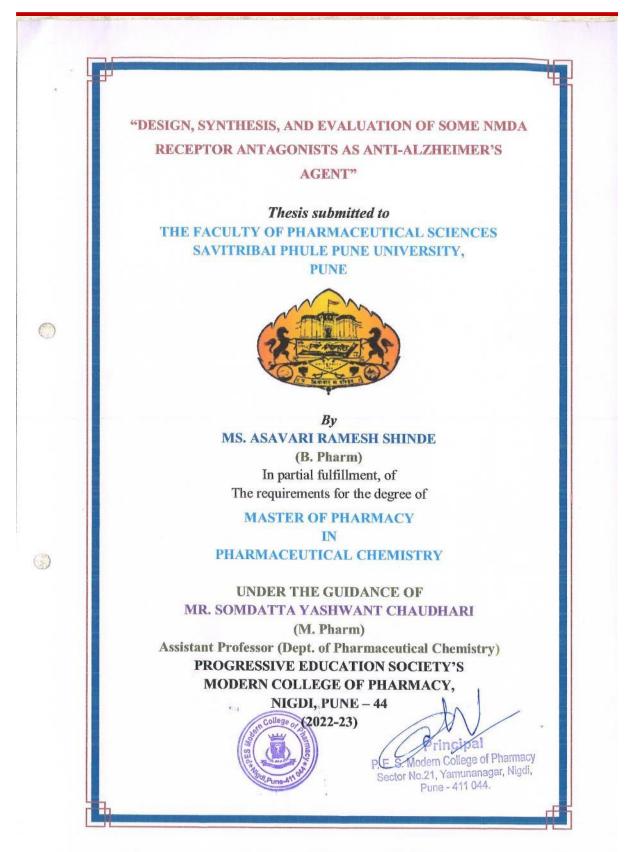
Principal

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I, Ms. Asavari Ramesh Shinde, declare that the thesis entitled, "DESIGN, SYNTHESIS, AND EVALUATION OF SOME NMDA RECEPTOR ANTAGONISTS AS ANTI-ALZHEIMER'S AGENT"

submitted by me for the degree of Master of Pharmacy is the record of work carried out by me under the guidance of Mr. Somdatta Yashwant Chaudhari and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 16/6/23

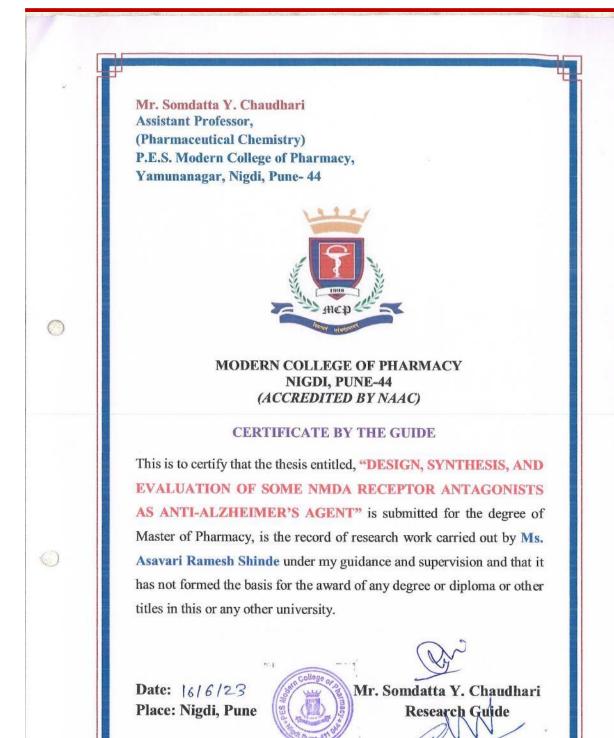
Ms. Asavari Ramesh Shinde

Place: Nigdi, Pune

P. F. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044

ern College of Pharmacy

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Principal, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "DESIGN, SYNTHESIS AND EVALUATION OF SOME NMDA RECEPTOR ANTAGONISTS AS ANTI-ALZHEIMER'S AGENT" is a record of bonafide research work carried out by Ms. Asavari Ramesh Shinde under the guidance of Mr. Chaudhari Somdatta Yashwant at Modern College of Pharmacy, Nigdi, Pune-411044.

Date: |6/6/23 Place: Nigdi, Pune



Dr. R. D. Chaudhari Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"DESIGN, SYNTHESIS AND EVALUATION OF SOME GSK-3 BETA INHIBITORS AS ANTI-ALZHEIMER'S AGENTS"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
MS. NAMRATA NARSINGRAO SHINDE
(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

Under the Guidance of MR. SOMDATTA Y. CHAUDHARI

(M. Pharm)

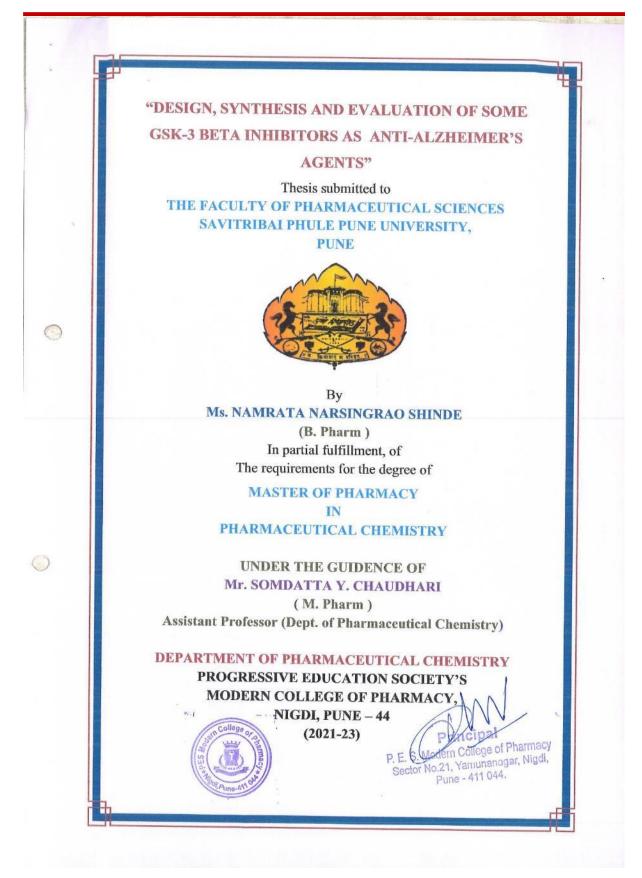
Assistant Professor Department of Pharmaceutical Chemistry

PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE
(2021-23)

P. E. S. Modern College of Pharmacy











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. NAMRATA NARSINGRAO SHINDE declare that the thesis entitled, "DESIGN, SYNTHESIS AND EVALUATION OF SOME GSK-3 BETA INHIBITORS AS ANTI-ALZHEIMER'S AGENTS" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of Mr. SOMDATTA Y. CHAUDHARI has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 17/6/23

Place: Nigdi, Pune

Ms. Namrata N. Shinde

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







(Pharmaceutical Chemistry)
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "DESIGN, SYNTHESIS AND EVALUATION OF SOME GSK-3 BETA INHIBITORS AS ANTI-ALZHEIMER'S AGENTS" submitted for degree of Master of Pharmacy, is the record of research work carried out by Ms. NAMRATA N. SHINDE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

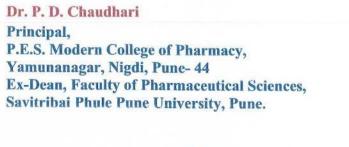
Date: 17/6/23 Place: Nigdi, Pune

Mr. Somdatta Y. Chaudhari Research Guide

> Sector No.21, Yamunanaa Pune - 411 044.









MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "DESIGN, SYNTHESIS AND EVALUATION OF SOME GSK-3 BETA INHIBITORS AS ANTI-ALZHEIMER'S AGENTS" is a record of bonafide research work carried out by Ms. NAMRATA N. SHINDE under the guidance of Mr. SOMDATTA Y. CHAUDHARI at Modern College of Pharmacy, Nigdi, and Pune-411044.

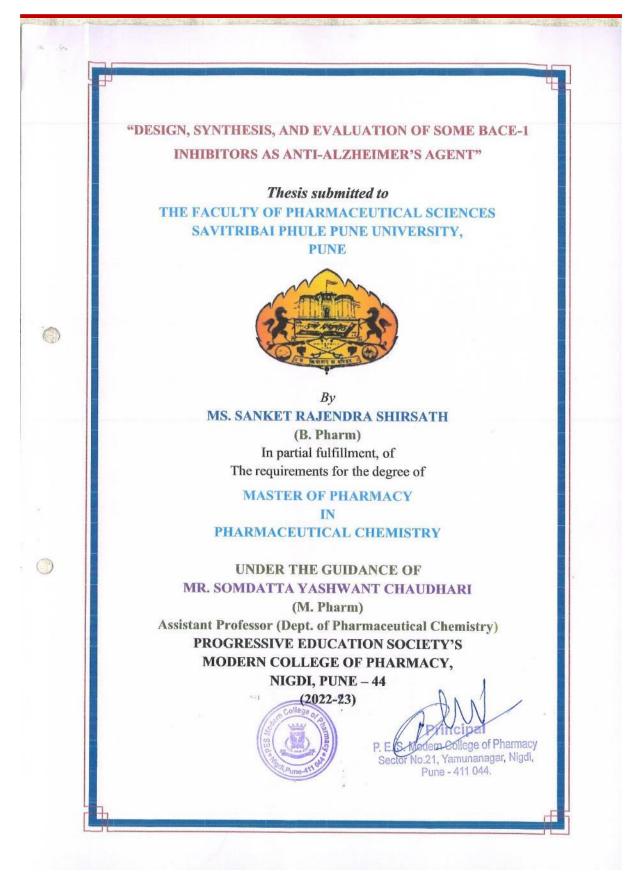
Date: 17/6/23
Place: Nigdi, Pune

Dr. P. D. Chaudhari
Principal
P. F. S. Modern Callenton

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,













SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I, Ms. Sanket Rajendra Shirsath, declare that the thesis entitled, "DESIGN, SYNTHESIS, AND EVALUATION OF SOME BACE-1 INHIBITORS AS ANTI-ALZHEIMER'S AGENT" submitted by me for the degree of Master of Pharmacy is the record of work carried out by me under the guidance of Mr. Somdatta Yashwant Chaudhari and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Mr. Sanket R. Shirsath

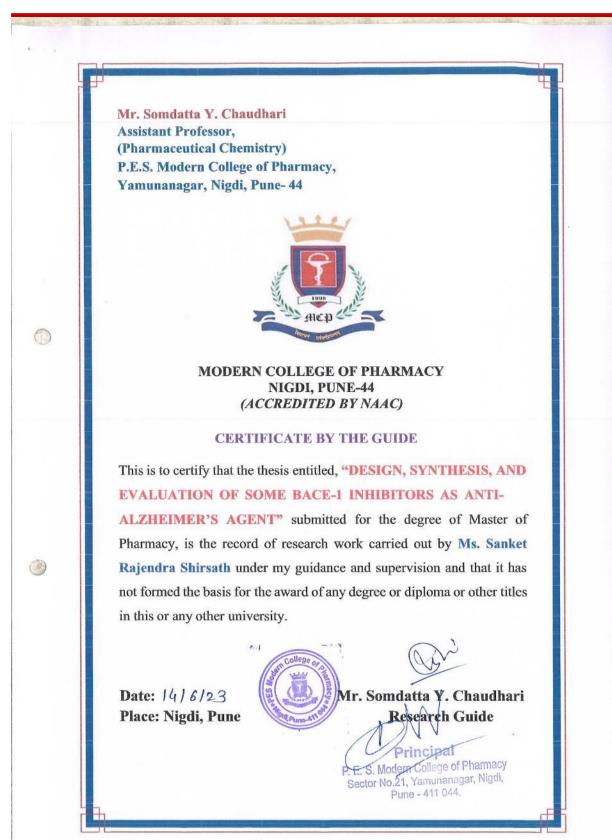
Place: Nigdi, Pune

College or College or

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.













Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "DESIGN, SYNTHESIS AND EVALUATION OF SOME BACE-1 INHIBITORS AS ANTI-ALZHEIMER'S AGENT" is a record of bonafide research work carried out by Ms. Sanket Rajendra Shirsath under the guidance of Mr. Chaudhari Somdatta Yashwant at Modern College of Pharmacy, Nigdi, Pune-411044.

Date: 14/6/23 Place: Nigdi, Pune Dr. P. D. Chaudhari Principal

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"DESIGN, SYNTHESIS AND EVALUATE
ANTIBACTERIAL, ANTIOXIDANT, AND ANTIINFLAMMATORY ACTIVITY OF SOME APIGENIN
DERIVATIVES"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
MS. MAYURI BHARAT SURYAWANSHI
(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACUETICAL CHEMISTRY

Under the Guidance of DR. PALLAVI M. PATIL

(M. Pharm)

Assistant Professor

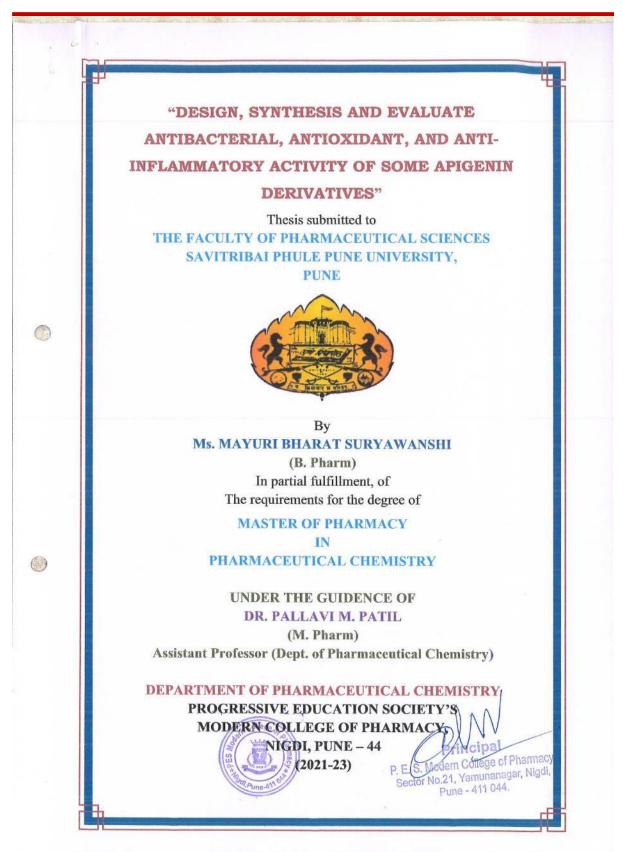
Department of Pharmaceutical Chemistry

PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE OF PHARMACY, NICOI, PUNE
(2021-23)

Sector No.21, Yamunanagar, N











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. MAYURI BHARAT SURYAWANSHI declare that the thesis entitled, "DESIGN, SYNTHESIS AND EVALUATE ANTIBACTERIAL, ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITY OF SOME APIGENIN DERIVATIVES" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. PALLAVI M. PATIL has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 08 06 2023

Place: Nigdi, Pune

s. Mayuri B. Suryawanshi

Modern College of Pharmac No.21, Yamunanagar, Nigdi,

Pune - 411 044.

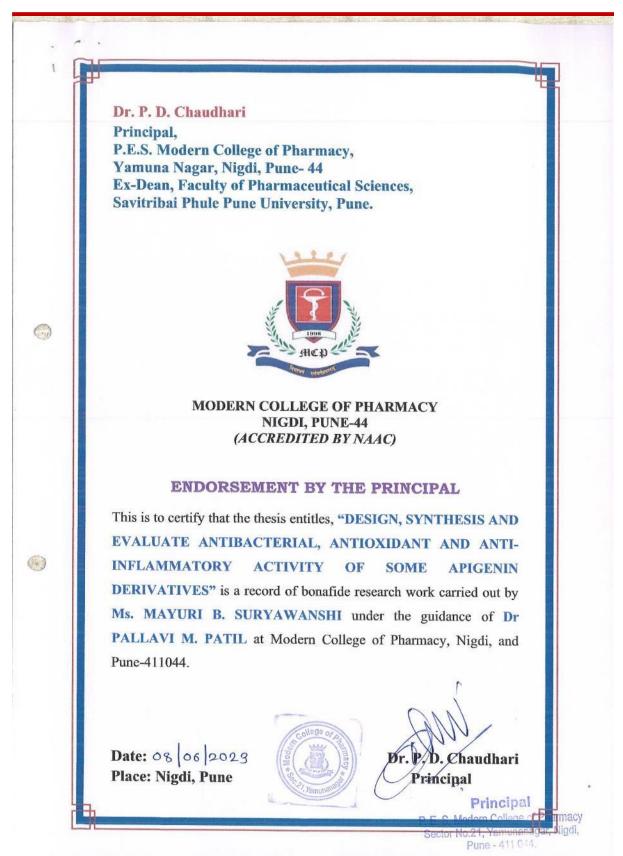
















"DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION
OF SOME NAPHTHOQUINONE DERIVATIVES AS ANTIALZHEIMER AGENTS"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
MS. Radhika Somnath Vyavahare
(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACUETICAL CHEMISTRY

Under the Guidance of DR. SHAILAJA B. JADHAV

(M. Pharm)

Assistant Professor and HOD
Department of Pharmaceutical Chemistry

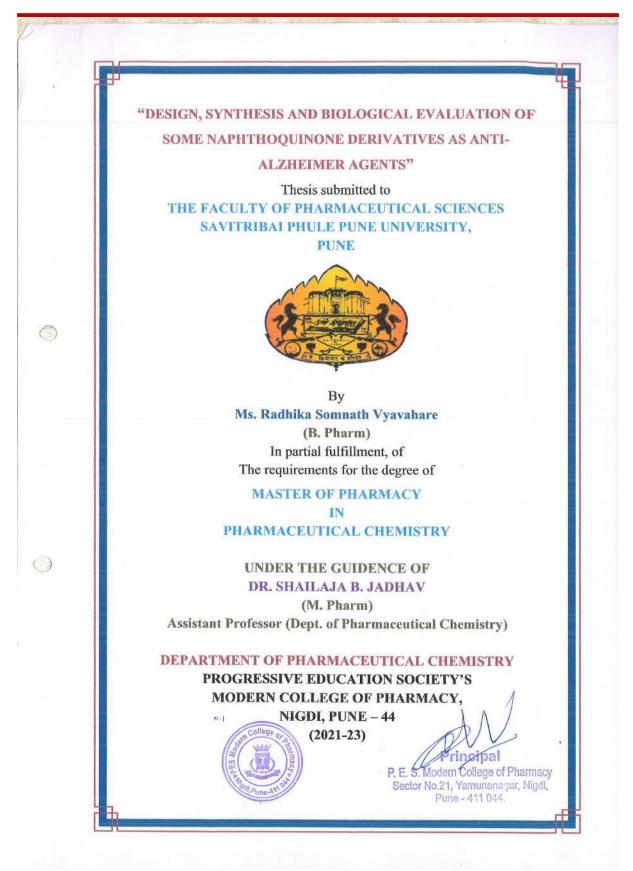
PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE
(2021-23)

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044

ctor No.21, Yamunanagar, Nigdi





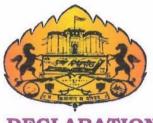






(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. Radhika Somnath Vyavahare declare that the thesis entitled, "DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF SOME NAPHTHOQUINONE DERIVATIVES AS ANTI-ALZHEIMER AGENTS" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. SHAILAJA B JADHAV has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 17/6/23

Ms. Radhika S. Vyavahare

Place: Nigdi, Pune

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044





DR. SHAILAJA B. JADHAV

Professor and HOD (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Design, Synthesis and Biological Evaluation of some naphthoquinone derivatives as Anti-Alzheimer agents" submitted for degree of Master of Pharmacy, is the record of research work carried out by Ms. Radhika S. Vyavahare under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 17/6/23

Place: Nigdi, Pune

College

Dr. Shailaja B Jadhav Research Guide

P. E. S. Modern College of Pharmacy



(3)



Dr. P. D. Chaudhari

Principal, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "Design, Synthesis and Biological Evaluation of some naphthoquinone derivatives as Anti-Alzheimer agents" is a record of bonafide research work carried out by Ms. Radhika S. Vyavahare under the guidance of Dr. SHAILAJA B. JADHAV at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 17/6/23

Place: Nigdi, Pune

Dr. P. D. Chaudhari

Principal

Principal

P. E. S. Modern College of Phan Sector No.21, Yamunanagar





"SYNTHESIS, PURIFICATION AND CHARACTERIZATION OF SOME IMPURITIES OF PROPRANOLOL"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY,
PUNE



MS. PRADNYA S. WAGHMARE
(B. Pharm)

In partial fulfillment of The requirements for the degree of

MASTER OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

Under the Guidance of

DR. A. S. TAPKIR

(M. Pharm)

Assistant Professor Department of Pharmaceutical Chemistry

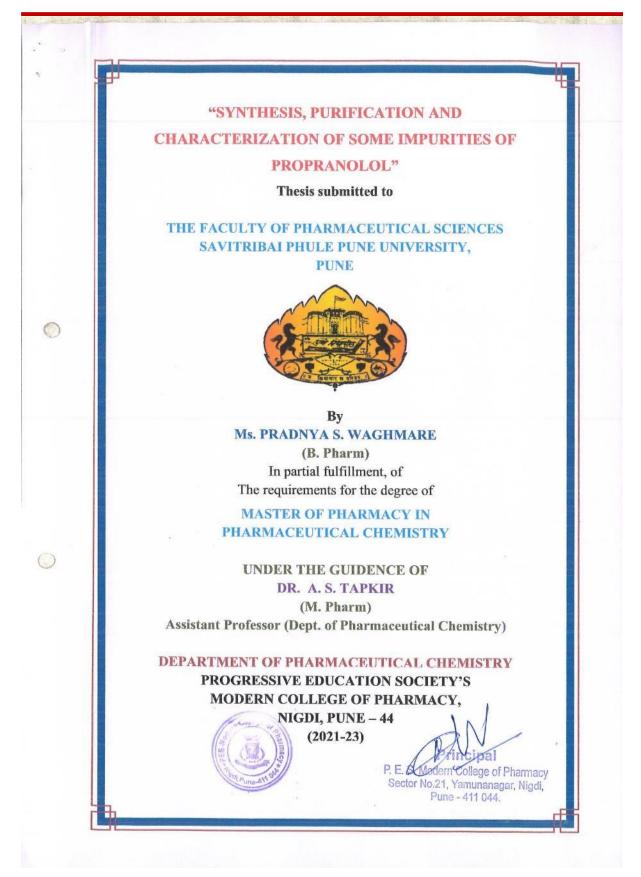
PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE
(2022-23)

P. E. S. Modern College of Pharmacy

Pune - 411 044











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. WAGHMARE PRADNYA SANGRAM declare that the thesis entitled, "SYNTHESIS, PURIFICATION AND CHARACTERIZATION OF SOME IMPURITIES OF PROPRANOLOL" submitted by me for Degree of Master of Pharmacy is the record of work carried out by me under the guidance of DR. A. S. TAPKIR has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 16/6/23

Ms. Pradnya S Waghmare

Place: Nigdi, Pune

Pune - 411 044.







Assistant Professor (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY **NIGDI, PUNE-44** (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "SYNTHESIS, PURIFICATION AND CHARACTERIZATION OF SOME IMPURITIES OF PROPRANOLOL" submitted for degree of Master of Pharmacy, is the record of research work carried out by Ms. PRADNYA S WAGHMARE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 16/6/23

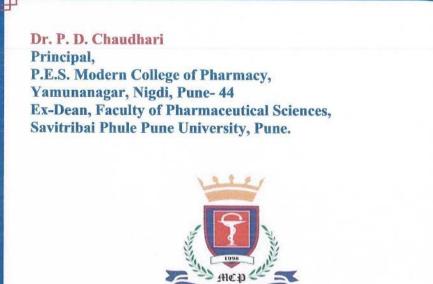
Place: Nigdi, Pune

Dr. A. S. TAPKIR Research Guide

odern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,







MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "SYNTHESIS, PURIFICATION AND CHARACTERIZATION OF SOME IMPURITIES OF PROPRANOLOL" is a record of bonafide research work carried out by Ms. PRADNYA S WAGHMARE under the guidance of Dr. A. S. TAPKIR at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 16/6/23

Place: Nigdi, Pune

Dr. P. D. Chaudhari Principal

P. E. S. Modern College of Pharmacy





Final Year B. Pharm Project Work



Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044.

(Accredited by NBA & NAAC)

URL: www.mcop.org.in , Email - mcopnigdi44@gmail.com



UG PROJECTS 2022-23

Sr. No.	Project Guide	Students Names	Final Project Titles
1	Dr. Atul Phatak	Dipak Deokar	Development and evaluation of Eugenol containing antimicrobial formulation
		Pranjali Inamdar	
		Vaishnavi Magar	
2	Dr. Padmaja Kore	DnyaneshwarBemde	Formulation and evaluation of herbal ointment for dermatophytic skin infection
3	Dr. Smita Pimple	Dnyaneshwari Chavan	Formulation and evaluation of in-situ mosomal gel of chloramphenicol
		Rohit Choudhary	
		Gaurav Karbhari	
4	Dr. K.S. Shaikh	Kartik Gavali	Preparation and evaluation of rectal dosage forms
		Vaishnavi Jangam	
		Rutuja Mane	,
5	Dr. U. C. Galgatte	Sanjana Dole	Development of Ritonavir co-crystals
		Ruchika Gupta	
		Manali Majgaonkar	
6	Dr. A.R Balap	Harshal Bhakare	Formulation, Characterization and Wound Healing Activity of Guar gum Hydrogel loaded with







		Vaishali Chitta	Honey Silver nanoparticles.
		Khushboo Choudhary	
7	Dr. Nikita Gaikwad	Kaveri Ganjure	Development and evaluation of antifungal topical cream including climbazole and clotrimazole
		Srishti Jha	
		Tejaswini Basate	
8	Dr. Padmaja Kore	Devesh Chaudhari	Formulation and Evaluation of herbal dermal patches for dermatophytic skin infection
		Pawankumar Mare	
9	Dr. Padmaja Kore	Rameshwar Bhalke	Formulation and evaluation of tannin containing chewing gum for mouth ulcer
10	Dr. Anuradha More	Akshay Deo	Development and characterization of a novel anti-acne Niosomal Gel
		Shraddha Jadhav	
11	Dr. Anuradha More	Kaushal Gandhi	Formulation, evaluation and comparison of the herbal shampoo with the commercial shampoos
		Nitesh Misal	
12	Dr. Shailaja, B. Jadhav	Sakshi Kudale	Synthesis of schiff bases from indole-3-carbaldehyde
		Akshay Kalyan	
		Vimajji Goradwar	
13	Dr. MinalHarde	Shravani Agalave	Synthesis and charaterization of Fe3O4 nanoparticles
		Truptee Banakar	Synthesis, characterization and applications of iron oxide nanoparticles.
		Ajay Dhapte	Synthesis and evaluation of Iron oxide nanoparticles
14	Prof. PallaviPatil	Rahul Andhale	Develop and validate HPTLC method for determination of Antidepressants drug in bulk form
		Shruti Bajare	
		Sneha Hojage	
15	Dr. A.S Tapkir	Tejas Anandkar	"Extractsion, Isolation And Evaluation Of Lawsone From Lawsonialnermis Extract And Marketed
			Formulation By Hptlc"
		Shivani Dighe	"Extraction, Isolation And Evaluation Of Quinine Sulphate From Extract And Marketed Formulation
			By HPTLC"











		Harshal Jagtap	"Extraction, Isolation And Evaluation Of Calcium Sennoside From Cassia Angustifolia Extract And Marketed Formulation By HPTLC"
16	Prof. SomdattaChaudhari	Pooja Chavan	Design, synthesis and evaluation of some NMDA receptor antagonists as anti-alzheimer agents.
		Pratiksha Kondawar	Design, synthesis and evaluation of some GSK-3 beta inhibitors as anti-alzheimer agents.
		Abhishek Maskare	Design, synthesis and evaluation of some MAO-B inhibitors as anti-alzheimer agents.
17	Dr. Deepti. D. Bandawne	Prathamesh Badhe	Evaluating the effect of fructose- Induced NAFLD on Physicochemical Parameters in Rats
		Bhagirathi Bhale	
		Sampada Kulkami	
18	Dr., S. S. Nipate	Shraddha Ahirrao	To study the effect of Cedrusdeodora (Cedar wood) essential oil on wound healing in experimental animals.
19	Dr.S.S.Nipate	Akash Jiwnanai	To study the effect of royal jelly derived from ApisMellifera and Melaleuca Oil (Tea Tree oil)
20	Dr. S, S, Nipate	Ankush Chavan	Evaluation of wound healing activity of ethanolic extract of saccharumofficinarium leaves in experimental animals
21	Dr. M.S Kuchekar	Vanita Bhurkunde	Formulation and Evaluation of Herbal Shampoo
		Milind Dyagatwar	
		Siddhanth Gaikwad	
22	Dr. MohiniKuchekar	Vikas Kurulekar	Formulation and evaluation of herbal lotion
23	Dr K.S. Kakad	Guruprasad Chavan	Chemical fingerprinting and antimicrobial activity of selected medicinal herbs and it's ayurvedic
		Anuj Gaikwad	formulation.
		Hrushikesh Ladkat	A Review on therapeutic potential of Bergenialigulata Wall
24	Dr. VitthalChopade	Mr. Jayesh Jaiswal	Pharmacognosy study of citron fruits.
		Puskkar Karande Patil	Formulation and evaluation of syrup from citron fruits.
		Abhishek More	Formulation and evaluation of lozenges from citron fruits.







25	Dr. Bhushan Pimple	Ganesh Kudke	Formulation and Evaluation of herbal Polyphenolic Tablets
		Rutuja Deshmukh	
16	Dr. Bhushan Pimple	Pravin Bahir	Preparation and evaluation of herbal hair oil
27	Dr. Bhushan Pimple	Nikhita Kumbhar	Formulation and evaluation of antifungal cream.
18	Mr. ShubhamKhade	Balu Palekar	Synthesis and Characterization of Magnetic Nanoparticles.
		Aparna Patil	Design, Synthesis & Evaluation of Fe2O3 Nanoparticles.
		Niranjan Rajput	Synthesis and Evaluation of Iron Oxide nanoparticles with application's.
29	Mrs. SheetalChaudhari	Tejashree Rane Samarth Shinde Akash V Wakale	Eco-friendly Method Development and Validation by UV- Visible spectroscopy
80	Mrs. RupaliJinturkar	Shreenidhi Naik Priya Shete Rohit Tapkir	Design, synthesis and Molecular docking of some Tacrine derivatives as AChE Inhibitors.
1	Mrs. Nikita Kale	Niranjan Sonawane Dhanashree Yadav Smita Gaikwad	Formulation and Evaluation of gunja cream
12	Ms. Anita Malsure	Kadambari Shinde Varsha Shinde	Formation and evaluation of polyherbal chewable tablet
		Anjali Raju Wasule	RP-HPLC method development and validation for determination of felbinac
33	Ms. Arti Shingan	Ashish Sakhare Shirfule Nagesh N. AkanshaTelang	RP-HPLC method development and validation for determination of felbinac
34	Mrs. Vasudha Bavdekar	More Mayuri Shinde Utkarsha	Method development and validation in bulk and pharmaceutical dosage form by HPTLC







		Zanwar Mansi	3
35	Mr. D. L. Visokar	Sonali Nengule Kartik Yenkure	Formulation and evaluation of polyherbal anti-inflammatory analgesic limiment for gouty arthritis and osteoarthritis.
		Mahesh Pekamwar	Formulation and evaluation of polyherbal anti-aging cream
36	Dr. Sangita Kale	Shweta Wagh	Formulation and Evaluation of polyelectrolyte complex Nanoparticles for diabetes
		Vasundhara Patil	Polysaccharide Based Drug Delivery system For Periodontitis
		Ajinkya Salve	Formulation and evaluation of transdermal patch for wound healing
37	Dr. Ujwala Desai	Sarvade Ajinkya	Title: formulation and evaluation of medicated herbal chewing gum for mouth infections
		Mohini Thite	Formulation and evaluation of terbinafine hydrochloride niosomal nail lacquer.
		Vaishnavi Sonone	Formulation and evaluation of herbal facewash and exfoliating tablet
38	Mr. Shivraj Mane	Shrinath Waghmare Harshita S Waghmode Sarvesh Yeole	Formulation development and evaluation of herbal sunscreen lotion.
39	Mr. Rohit Gurav	UtkarshaPatil Nikita Pawar Snehal Shinde	The Formulation, Evaluation and optimization of Antifungal Ufosomal Gel
40	Mrs, Priyanka Bagade	Ajaykumar Patel Harshali Sonawane Vanye Shubham	Formulation and Evaluation of Anti-aging and Anti-acne herbal scrub based face wash







Criteria 1: Curricular Aspects



41	Mrs. Alka Bhure	Tanmay Satkar Ashish Shinde Raviraj Shinde	Formulation, development and evaluation of diclofenae sodium gel by using HPMC
42	Ms. Surbhi Gupta	Snehal Panhalkar Yashasvi Patil Lalit Sargar	Formulation and evaluation of diclofenae sodium nano suspension
43	Dr. Padmaja S. Kore	Shital Susar Naveed Syed Tupe Samadhan	Evaluation of in vitro-anthelmintic activity of herbal extracts
44	Mr. Prashant Pawar	Neha Pandit Prasanjit Suryawanshi Pratik Suryawanshi	Awareness and assessment of risk factors associated with breast cancer among Indian women: A questionnaire survey
45	Mrs. Priyanka Sarda	Saurav Pawar Shraddha Raut Shweta Sarne	Development and validation of HPTLC method for estimation of deferiprone in bulk and marketed formulations.
46	Mrs. Snehal Shelke	Nikita Salunke Priyanka Tandlekar Ukirde Deven	Assessment of Clinical Profile data and Treatment pattern of Guillian-Barre syndrome (GBS).
47	Ms. S. S. Bhosale	Adwait Tole Madhavi Vikharankar Rutuja Wayal	Assessment of Knowledge and Awareness about Drug-Food Interactions among General Public in India: A questionnaire survey
48	Mrs. Suvarna A. Vadje	Shivhar Shete Shraddha Shingade Waghire Nikhil	Comparative evaluation of herbal lip balms developed using various natural bases.

Class Teacher Final Year B-Pharm (Div: A)

Dr. Padmaja S. Kore

0

Mrs. Snehal Shelke

0

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044,





Development and Evaluation of Eugenol Containing antimicrobial formulation.

Project submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES

As a part of Final Year B Pharm Semester VIII



By Dipak Deokar Pranjali Inamdar Vaishnavi Magar

Under the guidance of
Dr. Atul Phatak
(Prof. and Head, Dept Of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI,

PUNE - 44.

(ACCREDITED BY NAAC)(2022 – 2023)

S Moder College of Pharmacy Stor W.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



DECLARATION

I Dipak Deokar, Pranjali Inamdar, Vaishanvi Magar declare that the project entitled, "Development and Evaluation of Eugenol Containing Antimicrobial Formulation", submitted by me for degree of 'Bachelor of Pharmacy Final Year Sem VIII' is the record of work carried out by me under the guidance of Dr. Atul Phatak and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 31 05 2023

Place:

Dipak Deokar

Pranjali Inamdar

Principal

Vaishnav

Pline - 411 044





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Development and Evaluation of Eugenol Containing Antimicrobial Formulation", submitted for degree of Bachelor of Pharmacy Final Year Sem VIII, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 31/05/2023

Dr. Atul Phatak

(Prof. and Head, Dept Of Pharmaceutics)

E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY

Nigdi, Pune-44.



ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Developmentand Evaluation of Eugenol Containing Antimicrobial Formulation" is a record of bonafide research work carried out by Dipak Deokar, Pranjali Inamdar, Vaishnavi Magar under the guidance of Dr. Atul Phatak at Modern College of Pharmacy, Nigdi, Pune- 411044.

Date: 31/05/2023

Place:

P. D. Chaudhari

(Principal)

P. E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"FORMULATION AND EVALUATION OF HREBAL OINTMENT FOR DERMATOPHYTIC SKIN INFECTION"

Project report submitted to

The Faculty of
PHARMACEUTICAL SCIENCE
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Ву

Dnyaneshwar R Bembde B. Pharm (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. Padmaja Kore (M. pharm Ph. D)

Department of Pharmacology



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)

Principal

Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





SAVITRIBAIPHULE PUNE UNIVERSITY



DECLARATION

I am Dnyaneshwar Rajendra Bembde declared that the thesis entitled "Formulation and evaluation of herbal Ointment for dermatophytic skin infection" submitted by us for the award of degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of by **Dr. Padmaja Kore(Guide)** and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Nigdi, Pune

Mr. Dnyaneshwar Rajendra Bembde

Bupore



Principal
P. E. 8. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the thesis entitled, "Formulation and evaluation of herbal ointment for dermatophytic skin infection" submitted for degree of bachelor of pharmacy, is the record of research work carried out by **Mr. Dnyaneshwar Rajendra Bembde** under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23 Place: Nigdi Pune

Dr. Padmaja Kore (M. pharm Ph. D) Department of Pharmacology

College of Olympian Management of the College of Olympian Management of College of Olympian Mana

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and evaluation of herbal ointment for dermatophytic skin infection" is a record of bonafide research work carried out Mr .Dnyaneshwar Rajendra Bembde under the guidance of Dr Padmaja Kore(Guide) P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 14/6/23

Place: Nigdi, PUNE

Principal,

P.E. S Modern College of Pharmacy, Nigdi, Pune-44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

S. Modern College of Pharmacy

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





ACKNOWLEDGEMENT

I am thankful to Dr. P. D. Chaudhari, Principal of PES's Modern College of Pharmacy for providing excellent library and internet facilities. I take this opportunity to express my sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Prof. Mrs. Padmaja Kore for extending her valuable guidance, instructions and timely support without which this project would not have assumed its shape.

I would like to thank Assistant Librarian of Modern College of Pharmacy and other non-teaching staff members for extending their support in providing all kinds of reference books whenever possible. I am grateful to all teaching and non-teaching staff of the college for their kind of co-operation extended from time to time.

I express my deep sense of gratitude towards my parents and my friend Pavankumar Dattatraya Mare for his constant support and valuable help throughout this work.

Place: Nigdi, Pune-44.

Date: 14/6/23.

Mr.Dnyaneshwar Rajendra Bembde (Final year B. Pharm)

E.S. Modern College of Pharmacy ector No.21, Yamunanagar, Nigdi, Pune - 411 044.



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044





"FORMULATION AND EVALUATION OF IN-SITU NIOSOMAL GEL OF CHLORAMPHENICOL"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Miss. Dnyaneshwari Chavan, Mr. Rohit Choudhary and Mr. Gaurav Kharabi

(B. Pharmacy)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

DR. SMITA S. PIMPLE

(M. Pharm, Ph.D.)

(Department of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY NIGDI, PUNE

2022-2023

Principal

P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.









DECLARATION

We, Miss. Dnyaneshwari Chavan, Mr. Rohit Choudhary and Mr. Gaurav Kharabi declare that the thesis entitled "Formulation and Evaluation of In-situ Niosomal Gel of Chloramphenicol" submitted by me for my Degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of DR. SMITA S. PIMPLE and has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 10/6/2023

Miss. Dnyaneshwari Chavan Dayareshun

Place:

pune

Mr. Rohit Choudhary

Mr. Gaurav Kharabi

College of Organization

P. E. S Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





Dr. Smita S. Pimple Professor, Department of Pharmaceutics P. E.S. Modern College of Pharmacy Nigdi, Pune-44



PES's MODERN COLLEGE OF PHARMACY

NIGDI, PUNE-44

(ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "FORMULATION AND EVALUATION OF IN-SITU NIOSOMAL GEL OF CHLORAMPHENICOL" submitted for the degree of Bachelor of Pharmacy, is the record of research work carried out by Miss. Dnyaneshwari Chavan, Mr. Rohit Choudhary and Mr. Gaurav Kharabi under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 10/06/2023

Dr. Smita S. Pimple

Place:

pune

Professor

P/E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. ATUL A. PHATAK

Head of Department & Professor, (PHARMACEUTICS), P. E. S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE HOD

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF INSITU NIOSOMAL GEL OF CHLORAMPHENICOL" submitted for degree of Bachelor of Pharmacy (Pharmaceutics), is the record of research work carried out by MISS. DNYANESHWARI CHAVAN, MR. ROHIT CHOUDHARY AND MR. GAURAV KHARABI under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: |0/06/2023

Place: Pune

Dr. Atul A. Phatak

F. E. S. Modern College of Pharmacy





DR. P. D. Chaudhari

Principal, P. E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44 Ex. Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



PES's MODERN COLLEGE OF PHARMACY

NIGDI, PUNE-44

(ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation and Evaluation of In-situ Niosomal Gel of Chloramphenicol" submitted for the degree of Bachelor of Pharmacy, is the record of bonafide research work carried out by Miss. Dnyaneshwari Chavan, Mr. Rohit Choudhary and Mr. Gaurav Kharabi under the guidance of Dr. Smita S. Pimple at P.E.S's Modern College of Pharmacy, Nigdi, Pune-44.

Date 14-0 10-6-2023

Dr. Pravin D. Chaudhari

Place:

pune

Principal

E. S. Medern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"Preparation and Evaluation of Rectal Dosage Forms"

Thesis submitted to

The Faculty of
PHARMACEUTICS
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. Kartik Gavali, Ms. Vaishnavi Jangam and Ms. Rutuja Mane

(B. Pharm)

In partial fulfillment of the requirements for the degree

of

Bachelor of Pharmacy

Under the Guidance of

PROF. K.S.SHAIKH

(Department of Pharmaceutics)

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)





Preparation and Evaluation of Rectal Dosage Forms - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Mr. Kartik Gavali, Ms. Vaishnavi Jangam and Ms. Rutuja Mane declared that the thesis entitled "Preparation and Evaluation of Rectal Dosage Forms" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Prof. K.S.Shaikh and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14-66-23

Place: Nigdi, Pune

Mr. Kartik Gavali

Ms. Vaishnavi Jangam V. STure

Ms. Rutuja Mane Diking

Princip

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.

Preparation and Evaluation of Rectal Dosage Forms







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA) Prof. K.S.Shaikh

Department of Parmaceutics PES'S Modern College of Pharmacy Nigdi, Pune-44

Certificate by the Guide

This is to certify that the thesis entitled, "Preparation and Evaluation of Rectal Dosage Forms" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Kartik Gavali, Ms. Vaishnavi Jangam and Ms. Rutuja Mane under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14

14-06-23

Place: Nigdi, Pune

Prof. K.S.SHAIKH

Department of Pharmaceutics

Modern College of Pharmacy

Preparation and Evaluation of Rectal Dosage Forms







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal
P.E. S Modern College of Pharmacy
Nigdi, Pune – 44
Ex-Deans, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Preparation and Evaluation of Rectal Dosage Forms" is a record of bonafide research work carried out by by Mr.Kartik Gavali, Ms.Vaishnavi Jangam and Ms.Rutuja Mane under the guidance of Prof. K.S.Shaikh at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 14-06-23

Place: Nigdi, PUNE

Dr. P. D. Chaudhari

Principal

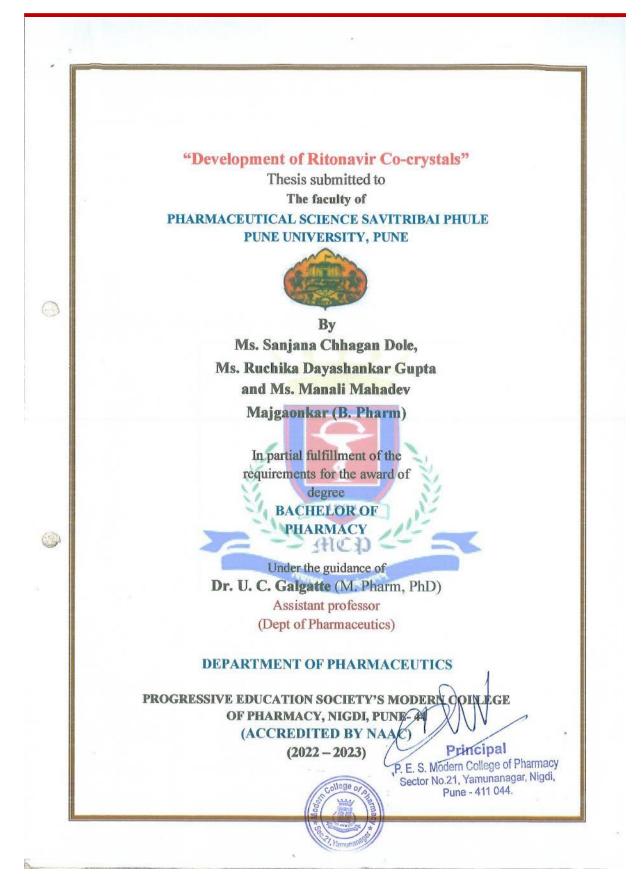
P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.

Preparation and Evaluation of Rectal Dosage Forms











SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Ms. Sanjana Chhagan Dole, Ms. Ruchika
Dayashankar Gupta and Ms. Manali Mahadev
Majgaonkar declare that the thesisentitled,
"Development of Ritonavir Co-crystals", submitted by us
for degree of Bachelor of Pharmacy is the record of work
carried out by us under the guidance of Dr. U. C.
Galgatte and has not formed the basis for the award of
any degree or Diploma or Othertitles in this or any other

Date: 2-06-23

Ms. Sanjana Dole - Sole

Ms. Ruchika Gupta - 9

Place: Nigdi, Pune Ms. Manati Wajgaonkar

Principal

P.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune- 44



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Development of Ritonavir Co-crystals", submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Ms. Sanjana Dole, Ms. Ruchika Gupta and Ms. Manali Majgaonkar under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other

University.

Date: 2-06-23

Place: Nigdi, Pune

Dr. U. C. Galgatte (M. Pharm, PhD) Assistant professor (Dept. of Pharmaceutics)

Principal

P. E. S. Medern Gollege of Pharmacy Sector No.21, Yamunanagar, Nigdi,





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune- 44



ENDORSEMENT BY THE PRINCIPAL

This is to certify that the partial research work for the dissertation entitled, "Development of Ritonavir Cocrystals" is a record of bonafide research work carried out by Ms. Sanjana C. Dole, Ms. Ruchika D. Gupta and Ms. Manali M. Majgaonkar under the guidance of Dr. U. C. Galgatte at P. E. S's Modern College of Pharmacy,

Nigdi, Pune.

Date: 2-06-23

Place: Nigdi, Pune

Dr. P. D. Chaudhari

(Principal)

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. A.R.BALAP

Associate Professor, Department of Pharmaceutical chemistry, P.E.S. Modern College of Pharmacy, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, FORMULATION, CHARACTERIZATION AND WOUND HEALING ACTIVITY OF GUAR GUM HYDROGEL LOADED WITH HONEY SILVER NANOPARTICLE submitted under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10 -6 - 23

Place: Pune

Dr. A.R.BALAP Research Guide

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044







PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, FORMULATION, CHARACTERIZATION AND WOUND HEALING ACTIVITY OF GUAR GUM HYDROGEL LOADED WITH HONEY SILVER NANOPARTICLE is a record of bonafide research work carried out by Mr. Bhakare Harshal, Ms.Vaishali Chitta And Ms. Khushbhoo Choudhary under the guidance of DR. A.R.BALAP at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year2021-2022.

Date: 10-6-23

Place: Nigdi, Pune

Dr.P.D. Chaudhari Principal

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





FORMULATION, CHARACTERIZATION AND WOUND HEALING ACTIVITY OF GUAR GUM HYDROGEL LOADED WITH HONEY SILVER NANOPARTICLE

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Ву

Mr. BHAKARE HARSHAL Ms. VAISHALI CHITTA Ms. KHUSHBHOO CHOUDHARY (B. Pharm.)

Under the Guidance of
Dr. A.R.BALAP
(M. Pharm. PhD)
Assistant Professor
(Dept. of Pharmaceutical Chemistry)

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, NIGDI, PUNE-44

(2022-23)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Mr. Bhakare Harshal, Ms. Vaishali Chitta, Ms. Khushbhoo Choudhary declare that the thesis entitled "FORMULATION, CHARACTERIZATION AND WOUND HEALING ACTIVITY OF GUAR GUM HYDROGEL LOADED WITH HONEY SILVER NANOPARTICLE submitted by us under the guidance of DR. A.R.BALAP has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 10-6-23

Place: Pune

Mr. Bhakare Harshal

Ms. Vaishali Chitta

Ms. Khushbhoo Choudhary

P.E. S. Modern College of Pharmacy Sector No.21 Yamunanagar, Nigdi, Pune - 411 044.





DEVELOPMENT AND EVALUATION OF ANTIFUNGAL TOPICAL CREAM INCLUDING CLIMBAZOLE AND CLOTRIMAZOLE

Thesis submitted to

THE FACULTY OF

PHARMACEUTICAL SCIENCES

SAVITRIBAIPHULE PUNE UNIVERSITY



By

Ms. SRISHTI JHA Ms. KAVERI GANJURE Ms. TEJASWINI BASATE

(B. Pharm)

Under the Guidance of

Dr. Nikita M. Gaikwad

(M. Pharm, PhD)

Associate Professor

Department of Pharmaceutics

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY,

NIGDI, PUNE-44

(2022-23)

P.E.S. Modern-College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Ms. Srishti Jha, Ms. Kaveri Ganjure and Ms. Tejaswini Basate declare that the thesis entitled "DEVELOPMENT AND EVALUATION OF ANTIFUNGAL TOPICAL CREAM INCLUDING CLIMBAZOLE AND CLOTRIMAZOLE" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Dr. NIKITA M. GAIKWAD and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 03 - 06 - 2023

Place: Nigdi, Pune

Ms. Srishti Jha

Ms. Kaveri Ganjure

Ms. Tejaswini Basate

E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NAAC and NBA)

Dr. NIKITA M. GAIKWAD

(M.Pharm, PhD)
Department of Pharmaceutics
PES's Modern College of Pharmacy
Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "DEVELOPMENT AND EVALUATION OF ANTIFUNGAL TOPICAL CREAM INCLUDING CLIMBAZOLE AND CLOTRIMAZOLE"

submitted for the degree of bachelor of pharmacy, is the record of research work carried out by Ms. Srishti Jha, Ms. Kaveri Ganjure and Ms. Tejaswini Basate under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 03-06-2023

Place: Nigdi, Pune

Dr. NIKITA M. GAKWAD Research, guide

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NAAC and NBA)

Dr. P.D. CHAUDHARI

Principal PES's Modern College of Pharmacy Nigdi, Pune-44 Ex. Dean, Faculty of Pharmaceutical sciences, Savitribai Phule Pune University, Pune

ENDORSEMENT BY PRINCIPLE

This is to certify that the partial research work for the dissertation entitled. "DEVELOPMENT AND EVALUATION OF ANTIFUNGAL TOPICAL CREAM INCLUDING **CLIMBAZOLE AND CLOTRIMAZOLE**" is a record of bonafide research work carried out by Ms. Srishti Jha, Ms. Kaveri Ganjure and Ms. Tejaswini Basate under the guidance of Dr. NIKITA M. GAIKWAD at PES's Modern College of Pharmacy Nigdi, Pune during the academic year 2022-23.

Date: 03-0623 Place: Nigdi, Pune

Dr. P. D. Chaudhari Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdl, Pune - 411 044.





"FORMULATION AND EVALUATION OF HREBAL DERMAL PATCHES FOR DERMATOPHYTIC SKIN INFECTION"

Project report submitted to

The Faculty of
PHARMACEUTICAL SCIENCE
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. Pavankumar Dattatraya Mare, Devesh Sunil Chaudhari B. Pharm (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. P. D. Chaudhari (M. pharm Ph. D)

Department of Pharmaceutics

Dr. Padmaja Kore (M. pharm Ph. D)

Department of Pharmacology



Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)

Principal

E. S. Modern College of Pharmacy

Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





SAVITRIBAIPHULE PUNE UNIVERSITY



DECLARATION

We are Mr Pavankumar Dattatraya Mare, Mr. Devesh sunil Chaudhari declared that the thesis entitled "Formulation and evaluation of herbal dermal patches for dermatophytic skin infection" submitted by us for the award of degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of by Dr. P.D. Chaudhari(Guide), Dr. Padmaja Kore(Co-Guide) and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2-6-2023

Place: Nigdi, Pune

Mr. Pavankumar Dattatraya Mare

Mr. Devesh Sunil Chaudhari

F. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the thesis entitled, "Formulation and evaluation of herbal dermal patches Forr dermatophytic skin infection" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Pavankumar Dattatraya Mare, Devesh Sunil Chaudhari under my guidance and supervision and that has not formed the basis for the award of any degreeor diploma or other titles in this or any other university.

Date: 2-06-23

Place: Nigdi Pune

Dr. P. D. Chaudhari (Principal)

P.E. S Modern College of Pharmacy, Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and evaluation of herbal dermal patches for dermatophytic skin infection" is a record of bonafide research work carried out Mr. Pavankumar Dattatraya Mare, Devesh Sunil Chaudhari under the guidance of Dr.P.D Chaudhari (Guide), Dr Padmaja Kore (Co-Guide) P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 2-66-23

Place: Nigdi, PUNE

Dr. P. D. Chaudhari Principal,

P.E. S Modern College of Pharmacy, Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Principal
P. S. Modern College of Pharmacy

Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





FORMULATION AND EVALUATION OF

TANNIN CONTAINING CHEWING GUM FOR MOUTH ULCER

Project Report Submitted to THE FACULTY OF PHARMACEUTICAL SCIENCESSAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



Mr. RAMESHWAR SHIVRAJ BHALKE

B. Pharm (Semester VIII)

In Partial Fulfillment of the Requirement for the Degree of BACHELOR OF PHARMACY

UNDER THE GUIDANCE OF

Dr. P.S. KORE (M. Pharm, PhD)

Associate professor

(Dept of Pharmacology)



Dr. U. S. Desai (M. Pharm, PhD)

Assistant professor

(Dept of Pharmaceutics)



DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEG

OF PHARMACY, NIGDI, PUNE - 44.

P. E. S. Modern College of Pharmacy No.21, Yamunanagar, Nigdi, Pune - 411 044.





(ACCREDITED BY NAAC) (2022 – 2023) SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Mr. RAMESHWAR S. BHALKE declare that the thesis entitled, "Formulation and evaluation of Tannin Containing Chewing Gum for Mouth Ulcer", submitted by me for degree of 'Bachelor of Pharmacy' is the record of work carried out by me under the guidance of Dr. P. S. Kore and Dr. U.S. Desai and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's

MODERN COLLEGE OF PHARMACY

Date:

Mr. Rameshwar Bhalke

Place:

Nigdi, Pune-44.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation and evaluation of Tannin Containing Chewing Gum for Mouth Ulcer", submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Rameshwar S. Bhalke under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 14-06-2

Dr. P. S. Kore

(M. Pharm,

Research

Modern College of Pharmac





P. E. Society's MODERN COLLEGE OF PHARMACY

Nigdi, Pune-44.



CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled, "Formulation and evaluation of Tannin Containing Chewing Gum for Mouth Ulcer", submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Rameshwar S. Bhalke under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University. Quan

Place:

Dr. U. S. Desai

(M. Pharm, PhD)

Research Co-Guid

Nigdi, Pune-44.

Principal P. E. S. Modern College of Pharmacy





P. E. Society's MODERN COLLEGE OF PHARMACY



ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation and evaluation of Tannin Containing Chewing Gum for Mouth Ulcer" is a record of bonafide research work carried out by Mr. Rameshwar S. Bhalke under the guidance of Dr. P. S. Kore and CoGuidance of Dr. U. S. Desai at Modern College of Pharmacy, Nigdi, Pune-411044.

Date: 14-66-23

Place: pune

Dr. P. D. Chaudhari

(Principal)

Modern College of Pharmacy No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY

Nigdi, Pune-44.



ACKNOWLEDGEMENT

I take this opportunity to express my sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Prof. Dr. P.S. Kore & Dr. U.S. Desai for extending her valuable guidance, instructions and timely support without which this project would not have assumed its shape.

I would like to thank Assistant Librarian of Modern College of Pharmacy and other non-teaching staff members for extending their support in providing all kinds of reference books whenever possible. I am grateful to all teaching and non-teaching staff of the college for their kind of co-operation extended from time to time.

I express my deep sense of gratitude towards my parents and my friend Kartik Yenkure for his constant support and valuable help throughout this work.

P. E. S. Modern College of Pharmacy





P. E. Society's

MODERN COLLEGE OF PHARMACY

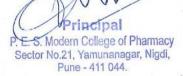
Date:

14-06-23

Mr. Rameshwar Bhalke

Place:

pune







"Development and Characterization of Novel Anti-acne Niosomal Gel"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. Akshay Deo and Ms. Shraddha Jadhav

(B. Pharmacy)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. Anuradha G. More

(M. Pharm, Ph.D.)

(Department of Pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S

MODERN COLLEGE OF PHARMACY NIGDI, PUNE

2022-2023

(Accredited by NAAC and NBA)



E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







SAVITRIBAI PHULE PUNE UNIVERSITY

DECLARATION

We Mr. Akshay Deo and Ms. Shraddha Jadhav

declare that the thesis entitled "Development and Characterization of Novel Anti-acne Niosomal Gel" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Dr. Anuradha G. More and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date 10-6-23

Place: Nigdi,pune

Akshay Deo

Shraddha Jadhav

Principal

E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





Dr.Anuradha G. More

Associate Professor, Department of Pharmaceutics P. E.S. Modern College of Pharmacy Nigdi, Pune-44



PES's MODERN COLLEGE OF PHARMACY

NIGDI, PUNE-44

(ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This to certify that the thesis entitled, "Devlopment and Characterization of Novel Anti-acne Niosomal Gel" submitted for the degree of Bachelor of Pharmacy, is the record of research work carried out by Mr. Akshay Deo and Ms. Shraddha Jadhav under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 10-6-23

Dr. Anuradha, G. More

Place:

Pune

Associate Professo

e of Pharmacy 21, Yamunanagar, Nigdi, Pune - 411 044.







Dr. P. D. Chaudhari
Principal,
P. E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune-44
Ex. Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

PES's MODERN COLLEGE OF PHARMACY
NIGDI, PUNE-44
(ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Devlopment and Characterization of Novel Anti-acne Niosomal Gel" submitted for the degree of Bachelor of Pharmacy, is the record of bonafide research work carried out by Mr. Akshay Deo and Ms. Shraddha Jadhav under the guidance of Dr. Anuradha G. More at P.E.S's Modern College of Pharmacy, Nigdi, Pune-44.

Date 10-6-23

Place: Rue

Dr.Pravin D. Chaudhari

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





"FORMULATION, EVALUATION AND COMPARISON OF THE HERBAL SHAMPOO WITH THE COMMERCIAL SHAMPOOS"

A PROJECT REPORT SUBMITTTED TO
THE FACULTY OF PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Kaushal S. Gandhi

Nitesh R. Misal

In partial fulfilment of the requirements for the degree of

Bachelor of Pharmacy

Under The Guidance Of

Dr. Anuradha G. More

(M. Pharm PhD.)

DEPARTMENT OF PHARMACEUTICS

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,



(



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We Nitesh R. Misal and Kaushal S. Gandhi declare that the thesis entitled "FORMULATION, EVALUATION AND COMPARISON OF THE HERBAL SHAMPOO WITH THE COMMERCIAL SHAMPOOS" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Dr. Anuradha G. More and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE:

10-6-23

PLACE: Nigdi, Pune

Kaushal Gandhi

Nitesh Misal

E S. Modern College of Pharmac

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "FORMULATION, EVALUATION AND COMPARISON OF THE HERBAL SHAMPOO WITH THE COMMERCIAL SHAMPOOS" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Mr. Kaushal S. Gandhi under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date:

10-6-23

Place: Nigdi, Pune

Dr. P. D. Chaudhari

(Principal)

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Dr. Anuradha G. More

Associate Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE CO-GUIDE

This is to certify that the thesis entitled "FORMULATION, EVALUATION AND COMPARISON OF THE HERBAL SHAMPOO WITH THE COMMERCIAL SHAMPOOS" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Mr. Kaushal S. Gandhi under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

(1)

Date: 10-6-23

Place: Nigdi, Pune

Dr. Anuradha More

(Associate Professor)

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. Anuradha G. More

Associate Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "FORMULATION, EVALUATION AND COMPARISON OF THE HERBAL SHAMPOO WITH THE COMMERCIAL SHAMPOOS" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Mr. Nitesh R. Misal under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10-6-23

Place: Nigdi, Pune

Dr. Anuradha More

(Associate Professor)

No.21, Yamunanagar, Nigdi, Pune - 411 044.

ge of Pharmacy





DR. P. D. Chaudhari

Principal, P. E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44 Ex. Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the project report entitled, "FORMULATION, EVALUATION AND COMPARISON OF THE HERBAL SHAMPOO WITH THE COMMERCIAL SHAMPOOS" submitted for the degree of Bachelor of Pharmacy, is the record of bonafide research work carried out by Mr. KAUSHAL S. GANDHI and Mr. NITESH R. MISAL under the guidance of Dr. P. D. Chaudhari and Dr. Anuradha G. More at P.E.S's Modern College of Pharmacy, Nigdi, Pune-44.

Date

10-6-23

Place: Nigdi, Pune

Dr. Pravin D. Chaudhari

(Principal)

P. E. S. Modern College of Pharmacy

Sector No.21, Yamunanagar, Nigdi





"Synthesis Of Schiff Base from Indole 3 Carbaldehyde"

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Miss.Sakshi Sunil Kudale

Mr.Vimaji Goradwar

Mr.Akshay Kalyan

(B. Pharm)

In partial fulfillment, of The requirements for the degree of

BACHELOR OF PHARMACY

117

PHARMACEUTICAL CHEMISTRY

UNDER THE GUIDENCE OF

Dr. S.B.Jadhav

(M. Pharm, ph.D)

Associate Professor

• (Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY

NIGDI, PUNE - 44

(2022-23)

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE **PUNE UNIVERSITY**)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Miss Sakshi Sunil Kudale, Mr. Vimaji Goradwar, Mr. Akshay Kalyan declare that the thesis entitled, "Synthesis Of Schiff Base from Indole 3 Carbaldehyde" submitted by me for Degree of Bacheolar of Pharmacy is the record of work carried out by me under the guidance of Dr.Shialaja B Jadhav has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 8|06|23

Miss Sakshi S Kudale Qudgh

Mr. Vimaji Goradwar

Mr. Akshay Ka

Place: Nigdi, Pune

rn College of Pharmacy stor No.21, Yamunanagar, Nigdi,





Dr.Shailja B Jadhav

Associate Professor, (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Synthesis Of Schiff Base from Indole 3 Carbaldehyde" submitted for degree of Bacheoler of Pharmacy, is the record of research work carried out by Miss Sakshi Sunil Kudale, Mr. Vimaji Goradwar, Mr. Akshay Kalyan under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Place: Nigdi, Pune

Dr.Shialaja B Jadhav Research Guide

Principal

S. Modern College of Pharmacy ctor No.21, Yamunanagar, Nigdi, Pune - 411 044.





Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "Synthesis Of Schiff Base from Indole 3 Carbaldehyde" is a record of bonafide research work carried out by Miss Sakshi Sunil Kudale, Mr. Vimaji Goradwar, Mr. Akshay Kalyan under the guidance of Dr. Shailaja B Jadhav at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 08-06-23

Place: Nigdi, Pune

Dr. P. D. Chaudhari

Principal

P. E. S. Medern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"SYNTHESIS AND CHARACTERIZATION OF FE3O4 NANOPARTICLES"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Shravani Pandurang Agalave

(B. Pharm)

UNDER THE GUIDANCE OF

Dr. Minal Harde

(Ph. D)

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







DECLARATION

I SHRAVANI PANDURANG AGALAVE declare that the thesis entitled "Synthesis and characterization of Fe3O4 Nanoparticles" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Dr. Minal Harde and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 08-06-23

PLACE: Pune

Pandurang Agalave

Shravani

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Dr. Minal Harde

Assistant Professor

Department of Pharmaceutical chemistry

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "Synthesis and characterization of Fe3O4 nanoparticles" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Ms. Shravani Pandurang Agalave under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: -8 -08 -06 -23

Place: Pune

Dr. Minal Harde

(Assistant Professor)

LE. S. Modern College of Pharmacy Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044.







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences
Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled is a record of bonafide research work carried out by Ms. Shravani Pandurang Agalave "Synthesis and characterization of Fe3O4 nanoparticles" and under the guidance of Dr. Minal Harde at P.E.S Modern College of PharmacyNigdi, Pune

Date: 08 - 06 - 23

Place: pune

Dr. P.D. Chaudhari (Principal)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"SYNTHESIS AND EVALUATION OF IRON OXIDE NANOPARTICLES"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



Submitted by

AJAY JAGANNATH DHAPATE

(B. Pharm)

UNDER THE GUIDANCE OF

Dr. Minal Harde

(M. Pharm)

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Progressive Education Society's Modern College of Pharmacy,

Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)





Principal
PE. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Ajay Jagannath Dhapate declare that the thesis entitled "SYNTHESIS AND EVALUATION OF IRON OXIDE NANOPARTICLES" submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Dr. Minal Harde and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 10-6-23

PLACE: Pune

Ajay Dhapate

Pune - 411 044.

P.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Dr. Minal Harde

Assistant Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "SYNTHESIS AND EVALUATION OF IRON OXIDE NANOPARTICLES" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Ajay Dhapate under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10-6-23

Place: pune

Dr. Minal Harde

(Assistant Professor)

n Zollege of Pharmacy 'Yamunanagar, Nigdi,







P.E.S Modern college of pharmacy, Nigdi, Pune-44
(Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled is a record of bonafide research work carried out by Mr. Ajay Dhapate "SYNTHESIS AND EVALUATION OF IRON OXIDE NANOPARTICLES" and under the guidance of Dr. Minal Harde at P.E.S Modern College of PharmacyNigdi, Pune.

Date:

10-06-23

Place:

pune

Dr. P.D. Chaudhari (Principal)

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





"SYNTHESIS, CHARACTERISATION AND APPLICATION OF IRON OXIDE NANOPARTICLES"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Truptee Hiralal Banakar

(B. Pharm)

UNDER THE GUIDANCE OF

Dr. Minal Harde

(M. Pharm)

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Progressive Education Society's Modern College of Pharmacy,

Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)



P. E. Y. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Truptee Hiralal Banakar declare that the thesis entitled "Synthesis, Characterisation and Application of Iron Oxide Nanoparticles" submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Dr. Minal Harde and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 14-06-23

PLACE: pune

Truptee Banakar

P. E. S. Modern College of Pharmacy Sector W. 21, Yamunanagar, Nigdi, Pune - 411 044.

rune -- 411 0-1







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Dr. Minal Harde

Assistant Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "Synthesis, Characterisation and Application of Iron Oxide Nanoparticles" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Truptee Banakar under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14-06-23

Place: Pune

Dr. Minal Harde

(Assistant Professor)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled is a record of bonafide research work carried out by Ms. Truptee Banakar "Synthesis, Characterisation and Application of Iron Oxide Nanoparticles" and under the guidance of Dr. Minal Harde at P.E.S Modern College of PharmacyNigdi, Pune

Date: 14-06-23

Place: pune

Or. P. D. Chaudhari (Principal)

Principal
P. E.S. Modern College of Pharmacy
Soctor No.21, Yamunanagar, Nigdi,





"Develop and Validate HPTLC method for determination of Antidepressants drug in bulk form"

Thesis submitted to

The Faculty of

PHARMACEUTICAL SCIENCE

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. Rahul Andhale Ms. Shruti Bajare Ms. Sneha Hojage (B. Pharm)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. Pallavi M. Patil

(M. Pharm, PhD)

Associate Professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Progressive Education Society's Modern College of Pharmacy, Nigdi , Pune (2022-2023)

(Accredited by NAAC and NBA)





Principal
P. B.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Mr. Rahul Andhale, Ms. Shruti Sanjay, Ms. Sneha Hojage declared that the thesis entitled "Develop and Validate HPTLC method for determination of Antidepressants drug in bulk form" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Dr. Pallavi M. Patil and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Place: Nigdi, Pune

Date: 14 6 2023

College p

Mr. Rahul Andhale

Ms. Shruti Bajare

Ms. Sneha Hojage



rincipal

P. Z. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,





PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. Pallavi M. Patil

Associate Professor

Department of Pharmaceutical Chemistry

PES'S Modern College of Pharmacy Nigdi, Pune-44

Certificate by the Guide

This is to certify that the thesis entitled, "Develop and Validate HPTLC method for determination of Antidepressants drug in bulk form" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Rahul Andhale, Ms. Shruti Bajare, Ms. Sneha Hojage under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Place: Nigdi, Pune

Date: 14 6 2023

Dr. Pallavi M. Patil

(M. Pharm, PhD.)



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Choudhari

Principal
P.E. S Modern College of Pharmacy
Nigdi, Pune — 44
Ex-Dean, Faculty of Pharmaceutical Sciences,

Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Develop and Validate HPTLC method for determination of Antidepressants drug in bulk form" is a record of bonafide research work carried out by Mr. Rahul Andhale, Ms. Shruti Bajare, Ms. Sneha Hojage under the guidance of Dr. Pallavi M. Patil at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 14 6 2023

Place: Nigdi, PUNE

Dr. P. D. Choudhari Principal



P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





ACKNOWLEDGEMENT:

I am thankful to Dr. P. D. Chaudhari, Principal of Modern College of Pharmacy for providing excellent library and internet facilities. I take this opportunity to express my sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Dr. Pallavi M. Patil for extending their valuable guidance, instructions and timely support without which this project would not have assumed its shape.

I would like to thank Assistant Librarian of Modern College of Pharmacy and other non - teaching staff members for extending their support in providing all kinds of reference books whenever possible. I am grateful to all teaching and non-teaching staff of the college for their kind of co-operation extended from time to time.

I express my deep sense of gratitude towards my parents and my all friends for their trust, love and support throughout this work.

Place: Nigdi, Pune-44.

Date: |4|6|2023

Mr. Rahul Andhale Ms. Shruti Bajare Ms. Sneha Hojage

(Final year B. Pharmacy)

College of Pharmacy Yamunanagar, Nigdi,





"EXTRACTION, ISOLATION AND EVALUATION OF LAWSONE FROM LAWSONIA INERMIS EXTRACT AND MARKETED FORMULATION BY HPTLC"

Thesis submitted to

THE FACULTY OF

PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MR. TEJAS BHIMRAO ANANDKAR

(B. Pharm)
In partial fulfillment of,
The requirements for the degree of
Bachelor of Pharmacy

Under the Guidance of DR. AMIT S. TAPKIR (M. Pharm. PhD)

Associate Professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, NIGDI, PUNE-44

(2022-23)

E.S. Modern College of Pharma

Pune - 411 044





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. TEJAS BHIMRAO ANANDKAR declare that the thesis entitled "EXTRACTION, ISOLATION AND EVALUATION OF LAWSONE FROM LAWSONIA **INERMIS EXTRACT** AND MARKETED FORMULATION BY HPTLC" submitted by me for degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of DR. AMIT S. TAPKIR has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 2/6/23

Place: Nigdi, Pune

MR. ANANDK

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's, MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. AMIT S. TAPKIR

Associate Professor, Department of Pharmaceutical Chemistry, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "EXTRACTION, **ISOLATION** AND EVALUATION OF LAWSONE FROM LAWSONIA **INERMIS EXTRACT** AND MARKETED FORMULATION BY HPTLC" submitted for degree of Bachelor of Pharmacy (Pharmaceutical chemistry) is the record of research work carried out by MR. TEJAS BHIMRAO ANANDKAR under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2/6/23

Place: Nigdi, Pune

College of Amunanta

Dr. Amit S. Tapkir Research Guide

> 2.8 Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi,







PES's, MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
PES's, Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "EXTRACTION, ISOLATION AND EVALUATION OF LAWSONE FROM LAWSONIA INERMIS EXTRACT AND MARKETED FORMULATION BY HPTLC" For BACHELOR OF PHARMACY (PHARMACEUTICAL CHEMISTRY) is a record of bonafide research work carried out by MR. TEJAS BHIMRAO ANANDKAR under the guidance of DR. AMIT S. TAPKIR at P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 during the academic year 2022-2023.

Date: 2/6/23 Place: Nigdi, Pune College of Stramman

Dr. P. D. Chaudhari Principal

Principal

P. E. S. Modern College of

Nigdi,

ine - 411 044.





"EXTRACTION, ISOLATION AND EVALUATION OF QUININE SULPHATE FROM EXTRACT AND MARKETED FORMULATION BY HPTLC"

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Ву

MISS.SHIVANI APPASAHEB DIGHE

(B. Pharm)
In partial fulfillment of,
The requirements for the degree of
Bachelor of Pharmacy

Under the Guidance of DR. AMIT S. TAPKIR (M. Pharm. PhD) Associate Professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, NIGDI, PUNE-44 (2022-23)





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MISS.SHIVANI APPASAHEB DIGHE declare that the thesis entitled "EXTRACTION, ISOLATION AND EVALUATION OF QUININE SULPHATE FROM EXTRACT AND MARKETED FORMULATION BY HPTLC" submitted by me for degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of DR. AMIT S. TAPKIR has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization



Date: 10 -6-23

Place: Nigdi, Pune

MISS.SHIVANI APPASAHEB DIGHE

Principal







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. AMIT S. TAPKIR

Associate Professor, Department of Pharmaceutical Chemistry, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "EXTRACTION, ISOLATION AND EVALUATION OF QUININE SULPHATE FROM EXTRACT AND MARKETED FORMULATION BY HPTLC" submitted for degree of Bachelor of Pharmacy (Pharmaceutical chemistry) is the record of research work carried out by MISS.SHIVANI APPASAHEB DIGHE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10-6-23

Place: Nigdi, Pune

Dr. Amit S. Tapkir Research Guide







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal,
PES's, Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled "EXTRACTION, ISOLATION AND EVALUATION OF QUININE SULPHATE FROM EXTRACT AND MARKETED FORMULATION BY HPTLC" FOR BACHELOR OF PHARMACY (PHARMACEUTICAL CHEMISTRY) is a record of bonafide research work carried out by MISS.SHIVANI APPASAHEB DIGHE under the guidance of DR. AMIT S. TAPKIR at P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 during the academic year 2022-2023.

Date: | 0 - 6 - 23 Place: Nigdi, Pune Dr. P. D. Chaudhari Principal

Principa

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"EXTRACTION, ISOLATION AND EVALUATION OF CALCIUM SENNOSIDE FROM CASSIA ANGUSTIFOLIA EXTRACT AND MARKETED FORMULATION BY HPTLC"

Thesis submitted to
THE FACULTY OF
PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MR. HARSHAL SANJAY JAGTAP

(B. Pharm)
In partial fulfillment of,
The requirements for the degree of
Bachelor of Pharmacy

Under the Guidance of DR. AMIT S. TAPKIR (M. Pharm. PhD)

Associate Professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, NIGDI, PUNE-44

(2022-23)

E.S. Modern College of Phain Sector No.21, Yamunanagar, No.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. HARSHAL SANJAY JAGTAP declare that the thesis entitled "EXTRACTION, ISOLATION AND EVALUATION OF CALCIUM SENNOSIDE FROM CASSIA ANGUSTIFOLIA EXTRACT AND MARKETED FORMULATION BY HPTLC" submitted by me for degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of DR. AMIT S. TAPKIR has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Pamunanti Amunanti Am

Date: 14-06-23

MR. HARSHAL SANJAY JAGTAI

Place: Nigdi, Pune

P. E. S. Modern College of Pharmacy

Pune - 411 044







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. AMIT S. TAPKIR

Associate Professor, Department of Pharmaceutical Chemistry, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "EXTRACTION, ISOLATION AND EVALUATION OF CALCIUM SENNOSIDE FROM CASSIA ANGUSTIFOLIA EXTRACT AND MARKETED FORMULATION BY HPTLC" submitted for degree of Bachelor of Pharmacy (Pharmaceutical chemistry) is the record of research work carried out by MR. HARSHAL SANJAY JAGTAP under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14-0 6-23

Place: Nigdi, Pune

Dr. Amit S. Tapkir Research Guide

P. E. S. Medern College of Pharmacy

Pune - 411 044







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NAAC)

DR. P. D. CHAUDHARI

Principal, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "EXTRACTION, ISOLATION AND EVALUATION OF CALCIUM SENNOSIDE FROM CASSIA **ANGUSTIFOLIA EXTRACT** AND MARKETED FORMULATION BY HPTLC" For BACHELOR OF PHARMACY (PHARMACEUTICAL CHEMISTRY) is a record of bonafide research work carried out by MR. HARSHAL SANJAY JAGTAP under the guidance of DR. AMIT S. TAPKIR at P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 during the academic year 2022-2023.

Date: 14-06-23

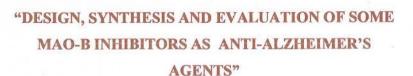
Place: Nigdi, Pune

Dr. P. D. Chaudhari Principal

Principal







Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. ABHISHEK BHAU MASKARE

(B. Pharm)

In partial fulfillment, of The requirements for the degree of

BACHELORS OF PHARMACY
IN
PHARMACEUTICAL CHEMISTRY

UNDER THE GUIDENCE OF Mr. SOMDATTA Y. CHAUDHARI (M. Pharm)

Assistant Professor (Dept. of Pharmaceutical Chemistry)

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE – 44

(2022-23)



P. E. S. Modern College of Phermacy Sector No.21, Yamunanagan Hgdi,





(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Mr. ABHISHEK BHAU MASKARE declare that the thesis entitled, "DESIGN, SYNTHESIS AND EVALUATION OF SOME MAO-B INHIBITORS AS ANTI-ALZHEIMER'S AGENTS" submitted by me for Degree of Bachelors of pharmacy is the record of work carried out by me under the guidance of Mr. SOMDATTA Y. CHAUDHARI has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Anskare

Date: 2-6-23

Mr. Abhishek B. Maskare

Place: Nigdi, Pune

to College of Phone and Colleg







Assistant Professor (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "DESIGN, SYNTHESIS AND EVALUATION OF SOME MAO-B INHIBITORS AS ANTI-ALZHEIMER'S AGENTS" submitted for degree of Bachelors of Pharmacy, is the record of research work carried out by Mr. ABHISHEK B. MASKARE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

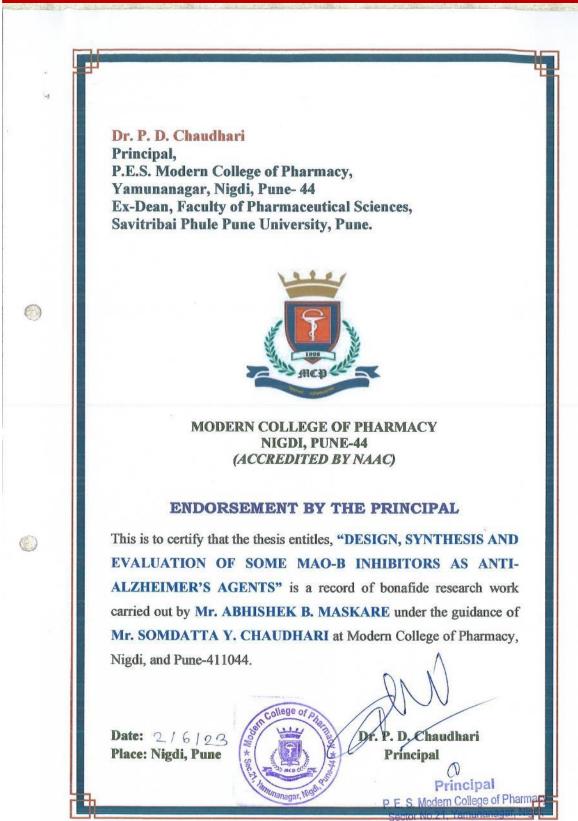
Date: 2-6-23

Place: Nigdi, Pune

Mr. Somdatta Y. Chaudhari Research Guide



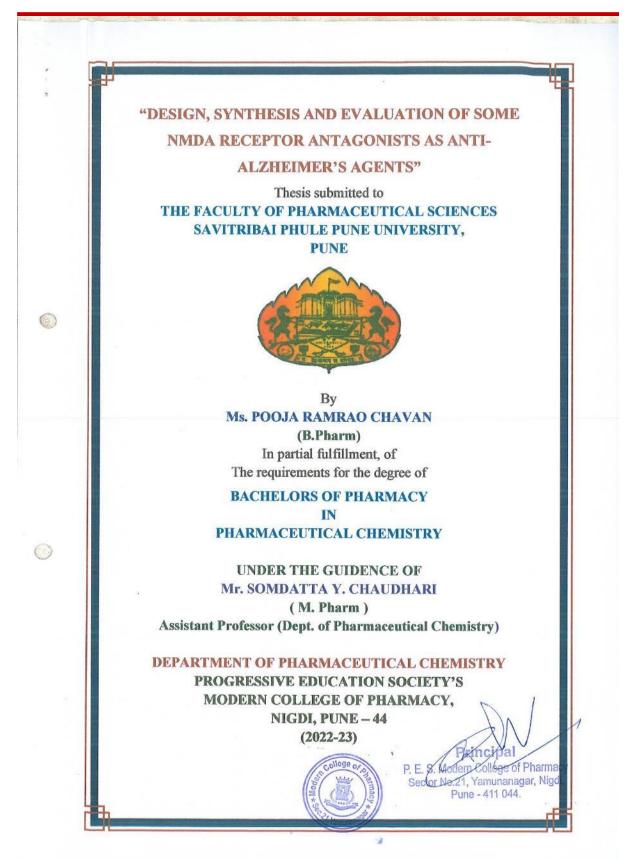




Pune - 411 044.











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. POOJA RAMRAO CHAVAN declare that the thesis entitled, "DESIGN, SYNTHESIS AND EVALUATION OF SOME NMDA RECEPTOR ANTAGONISTS AS ANTI-ALZHEIMER'S AGENTS" submitted by me for Degree of Bachelors of pharmacy is the record of work carried out by me under the guidance of Mr. SOMDATTA Y. CHAUDHARI has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 10 - 6 - 23

Ms. POOJA R. CHAVAN

Place: Nigdi, Pune





0





Assistant Professor (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY **NIGDI, PUNE-44** (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "DESIGN, SYNTHESIS AND **EVALUATION OF SOME NMDA RECEPTOR ANTAGONISTS** AS ANTI-ALZHEIMER'S AGENTS" submitted for degree of Bachelors of Pharmacy, is the record of research work carried out by Ms. POOJA R. CHAVAN under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

college of

Date: 10-6-23

Place: Nigdi, Pune

Mr. Somdatta Y. Chaudhari Research Guide

> rincipal E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi

Pune - 411 044







Principal, P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY **NIGDI, PUNE-44** (ACCREDITED BY NAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "DESIGN, SYNTHESIS AND **EVALUATION OF SOME NMDA RECEPTOR ANTAGONISTS** AS ANTI-ALZHEIMER'S AGENTS" is a record of bonafide research work carried out by Ms. POOJA R. CHAVAN under the guidance of Mr. SOMDATTA Y. CHAUDHARI at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 10-6-23

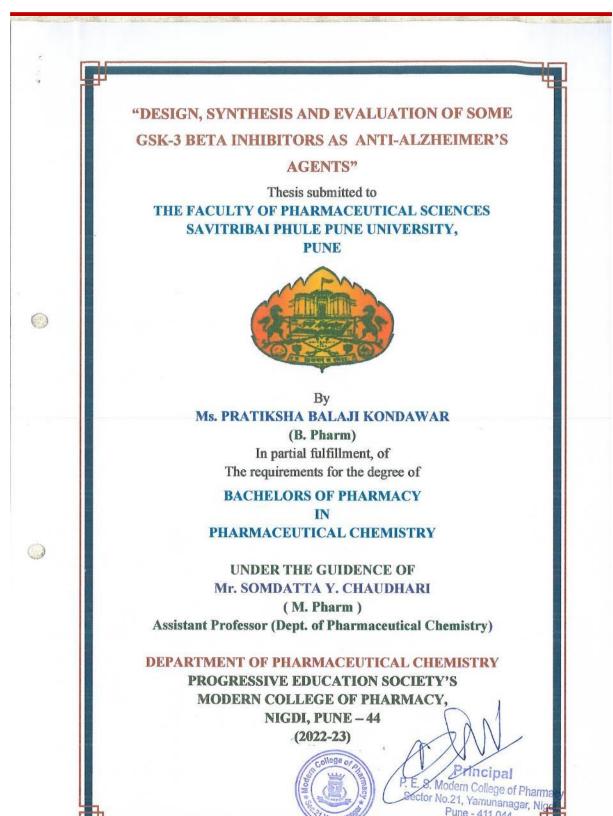
Place: Nigdi, Pune

Chaudhari Principal

Principal











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. PRATIKSHA BALAJI KONDAWAR declare that the thesis entitled, "DESIGN, SYNTHESIS AND EVALUATION OF SOME GSK-3 BETA INHIBITORS AS ANTI-ALZHEIMER'S AGENTS" submitted by me for Degree of Bachelors of pharmacy is the record of work carried out by me under the guidance of Mr. SOMDATTA Y. CHAUDHARI has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 14-06-23

Ms. Pratiksha.B.Kondawar

Place: Nigdi, Pune



Principal

E. S. Modern Pollege of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044







Assistant Professor (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "DESIGN, SYNTHESIS AND EVALUATION OF SOME GSK-3 BETA INHIBITORS AS ANTI-ALZHEIMER'S AGENTS" submitted for degree of Bachelors of Pharmacy, is the record of research work carried out by Ms. PRATIKSHA B. KONDAWAR under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

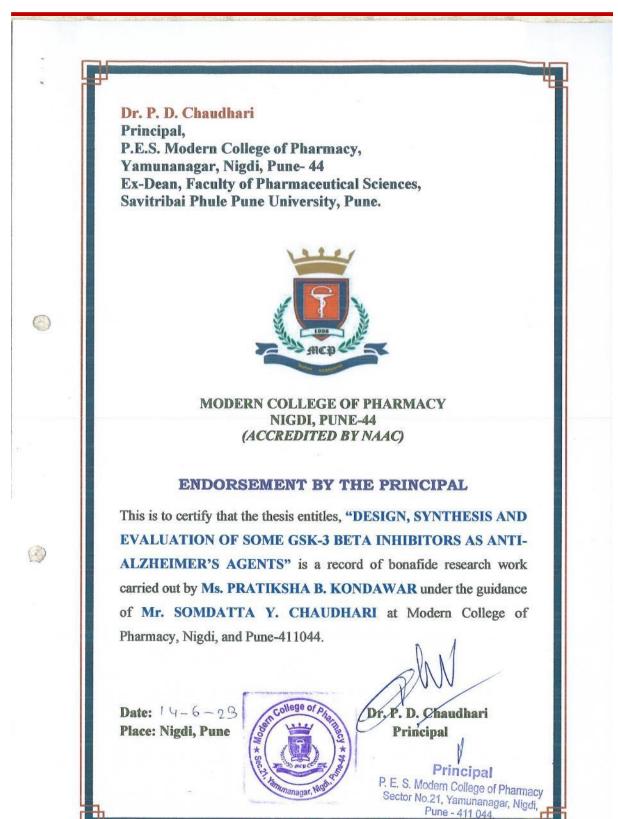
Date: 14-66-23 Place: Nigdi, Pune

Mr.

Mr. Somdatta Y. Chaudhari Research Guide











"EVALUATING THE EFFECT OF FRUCTOSE-INDUCED NAFLD ON PHYSICOCHEMICAL PARAMETERS IN RATS"

Final Year B-Pharm Project Report Submitted to

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. Prathamesh Badhe, Ms. Bhagirathi Bhale and Ms. Sampada Kulkarni

Under the Guidance of Dr. D. D. BANDAWANE (HOD)

DEPARTMENT OF PHARMACOLOGY

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-411044

(2022-2023)







(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Mr.Prathamesh Badhe, Ms.Bhagirathi Bhale and Ms.Sampada Kulkarni declare that the thesis entitled "Evaluating the Effect of Fructose-induced NAFLD on Physicochemical Parameters in Rats" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Dr.D.D. BANDAWANE and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2/6/23

Place: Nigdi, Pune

Mr. Prathamesh Badhe Both: P-B.

Ms. Bhagirathi Bhale Blad

Ms. Sampada Kulkarni Skulkarni

College of Samuel







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. D.D. Bandawanae (HOD) Department of Pharmacology P.E.S Modern College of Pharmacy, Nigdi, Pune-44

Certificate by the Guide

This is to certify that the thesis entitled, "Evaluating the effect of fructose-induced NAFLD on physicochemical parameters in rats" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Prathamesh Badhe, Ms. Bhagirathi Bhale and Ms. Sampada Kulkarni under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 0/6/23

Place: Nigdi, PUNE

Dr D.D. Bandawane

P. E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,





DR. P. D. Chaudhari

Principal, P. E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune-44 Ex. Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.



PES's MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BYNAAC)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the project report entitled, "FORMULATION, EVALUATION AND COMPARISON OF THE HERBAL SHAMPOO WITH THE COMMERCIAL SHAMPOOS" submitted for the degree of Bachelor of Pharmacy, is the record of bonafide research work carried out by Mr. KAUSHAL S. GANDHI and Mr. NITESH R. MISAL under the guidance of Dr. P. D. Chaudhari and Dr. Anuradha G. More at P.E.S's Modern College of Pharmacy, Nigdi, Pune-44.

Date

10-6-23

Place: Nigdi, Pune

Dr. Pravin D. Chaudhari

(Principal)

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigli,

Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal
P.E. S Modern College of Pharmacy
Nigdi, Pune – 44
Ex-Deans, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Evaluating the effect of fructose-induced NAFLD on physicochemical parameters in rats" is a record of bonafide research work carried out by Mr. Prathamesh Badhe, Ms. Bhagirathi Bhale and Ms. Sampada Kulkarni under the guidance of Dr. D.D. Bandawane at P.E.S Modern College of PharmacyNigdi, Pune.

Date: 2/6/23

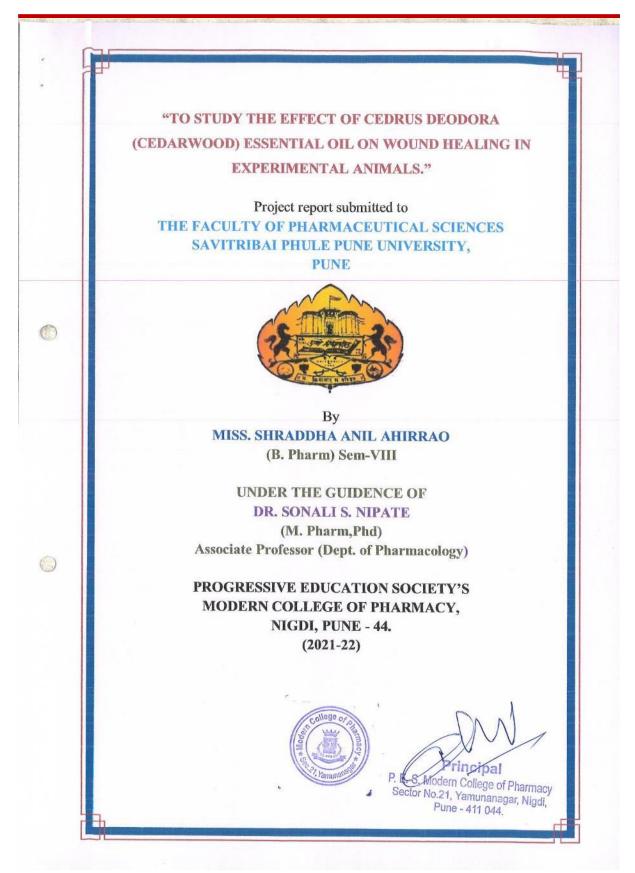
Place: Nigdi, PUNE

Dr. P. D. Chaudhari Principal

respui













SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I, Miss. Shraddha Anil Ahirrao, declare that the thesis entitled, "TO STUDY THE EFFECT OF CEDRUS DEODORA (CEDARWOOD) ESSENTIAL OIL ON WOUND HEALING IN EXPERIMENTAL ANIMALS." submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Dr. Sonali S. Nipate and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

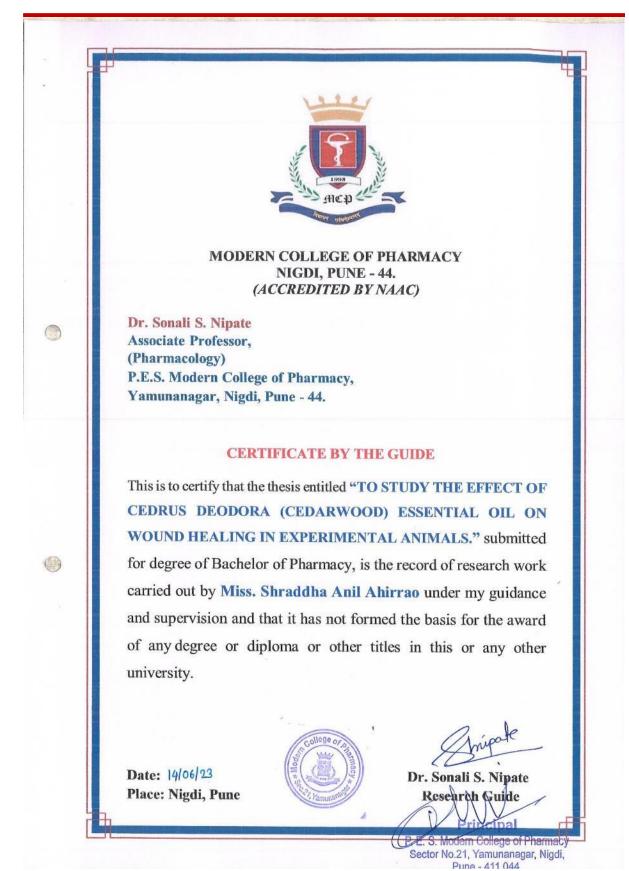
Date: |4|06|23

Place: Nigdi, Pune

Miss. Shraddha Anil Ahirrao

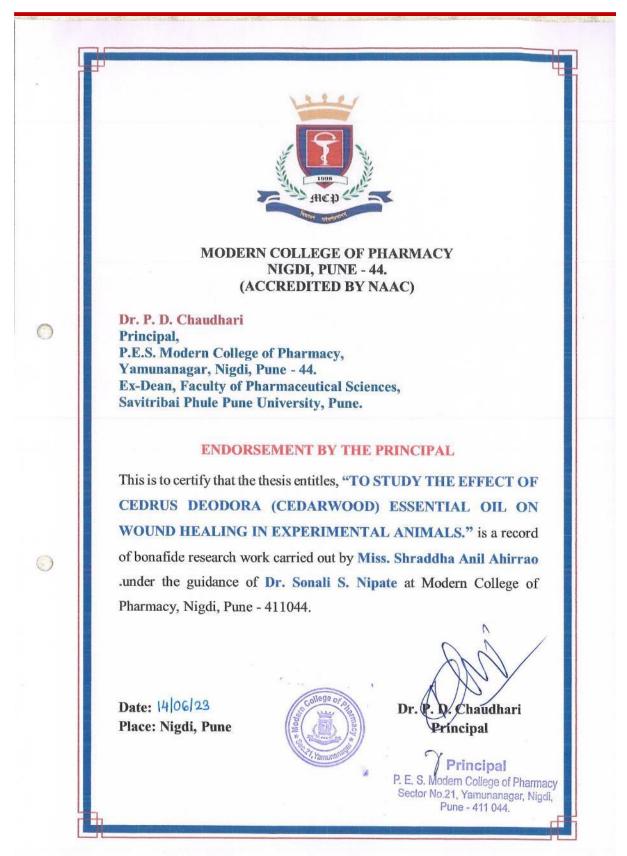
















ACKNOWLEDGEMENT

It is a moment of gratification and pride to look back with a sense of contentment at the long-travelled path, to be able to recapture some of the fine moments, there are too many people who helped lead me here and supported me.

I dedicated this thesis to my family.

First of all, I take this opportunity to express my heart- felt & deep sense of gratitude with sincerity to my esteemedResearch Guide Dr. Sonali S. Nipate Associate Professor Department of Pharmacology at P.E.S. Modern College of Pharmacy, Nigdi, Pune; for her constant help, support, encouragement and valuable suggestions throughout project work. I am very much thankful for her unflinching support, affection, which helped me a lot in exploring my abilities. She supported me at each and every step of the research work. I must say thanks for her patience and courage to help me out throughout the project andproviding good environment for the research work. And made it possible for me to carry out the present work which otherwise, would have been very difficult. It was my luck to get an opportunity to work underher guidance. Thank you, Ma'am!

I express my sincere thanks to **Dr. Praveen D. Chaudhari**, Principal, P.E. Society's Modern College of Pharmacy, Nigdi, Pune, for making available every facility needed for research work.





I would like to thank all teaching and non-teaching staff of P.E. Society's Modern College of Pharmacy, Nigdi, Pune for their help to complete my project work successfully.

I am grateful to my friends Akash, Ankush, Vinod, Akanksha who helped me directly or indirectly in the successful completion of project.

My deepest gratitude goes to my family for their unflagging love and support throughout my life; this dissertation is simply impossible without them.

Nothing can resist a determined will, and without an intense desire to succeed, I will be always thankful to the Almighty GOD for giving me the strength, will and wisdom to carry out the project successfully.

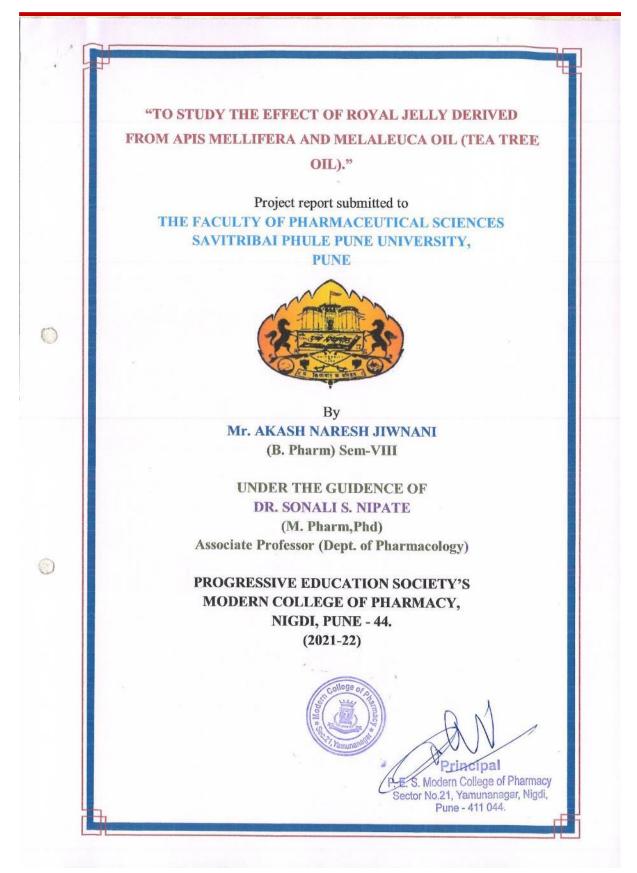
Date: 14/06/23

Miss. Shraddha Anil Ahirrao













(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I, Mr. Akash Naresh Jiwnani, declare that the thesis entitled, "TO STUDY THE EFFECT OF ROYAL JELLY DERIVED FROM APIS MELLIFERA AND MELALEUCA OIL (TEA TREE OIL)." submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Dr. Sonali S. Nipate and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

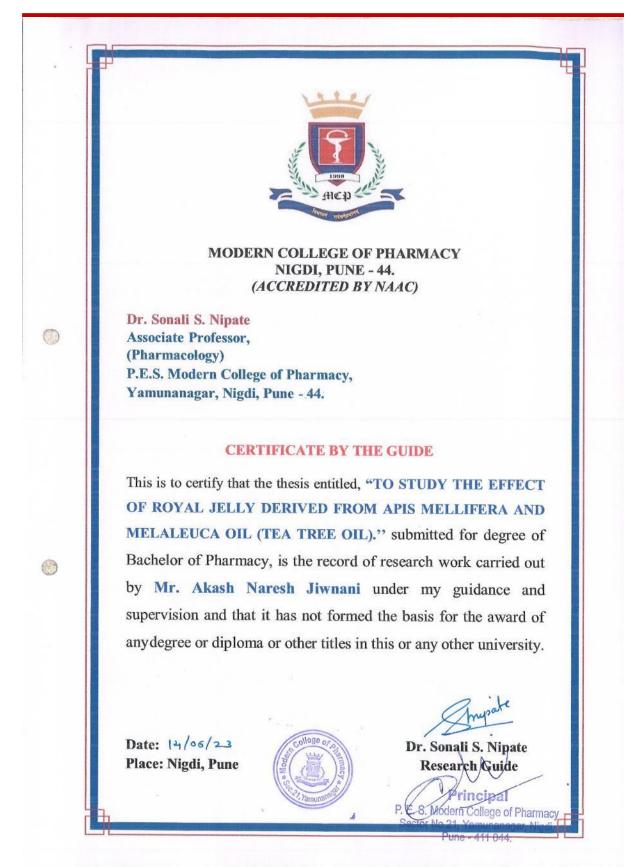
Date: 14/06/23

Place: Nigdi, Pune

Mr. Akash Naresh Jiwnani

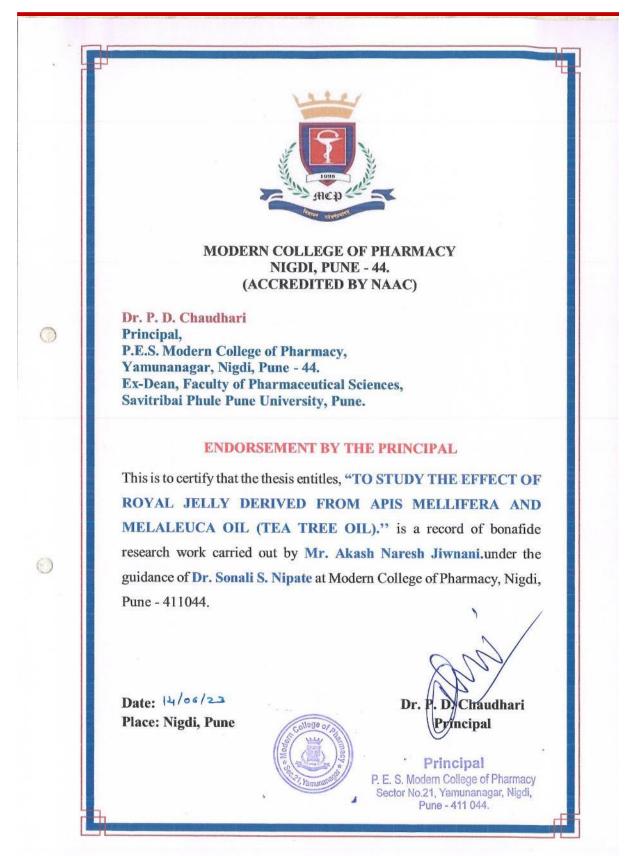
















ACKNOWLEDGEMENT

It is a moment of gratification and pride to look back with a sense of contentment at the long-travelled path, to be able to recapture some of the fine moments, there are too many people who helped lead me here and supported me.

I dedicated this thesis to my family.

First of all, I take this opportunity to express my heart-felt & deep sense of gratitude with sincerity to my esteemedResearch Guide Dr. Sonali S. Nipate Associate Professor Department of Pharmacology at P.E.S. Modern College of Pharmacy, Nigdi, Pune; for her constant help, support, encouragement and valuable suggestions throughout project work. I am very much thankful for her unflinching support, affection, which helped me a lot in exploring my abilities. She supported me at each and every step of the research work. I must say thanks for her patience and courage to help me out throughout the project andproviding good environment for the research work. And made it possible for me to carry out the present work which otherwise, would have been very difficult. It was my luck to get an opportunity to work underher guidance. Thank you, Ma'am!

I express my sincere thanks to **Dr. Praveen D. Chaudhari**, Principal, P.E. Society's Modern College of Pharmacy, Nigdi, Pune, for making available every facility needed for research work.

ector No.21, Yamunanagar, Nigdi. Pune - 411 044

E. S. Modern College of Pharmacy



(



I would like to thank all teaching and non-teaching staff of P.E. Society's Modern College of Pharmacy, Nigdi, Pune for their help to complete my project work successfully.

I am grateful to my friends Shraddha, Ankush, Vinod, Akanksha who helped me directly or indirectly in the successful completion of project.

My deepest gratitude goes to my family for their unflagging love and support throughout my life; this dissertation is simply impossible without them.

Nothing can resist a determined will, and without an intense desire to succeed, I will be always thankful to the Almighty GOD for giving me the strength, will and wisdom to carry out the project successfully.

Date: 14/06/23

Mr. Akash Naresh Jiwnani

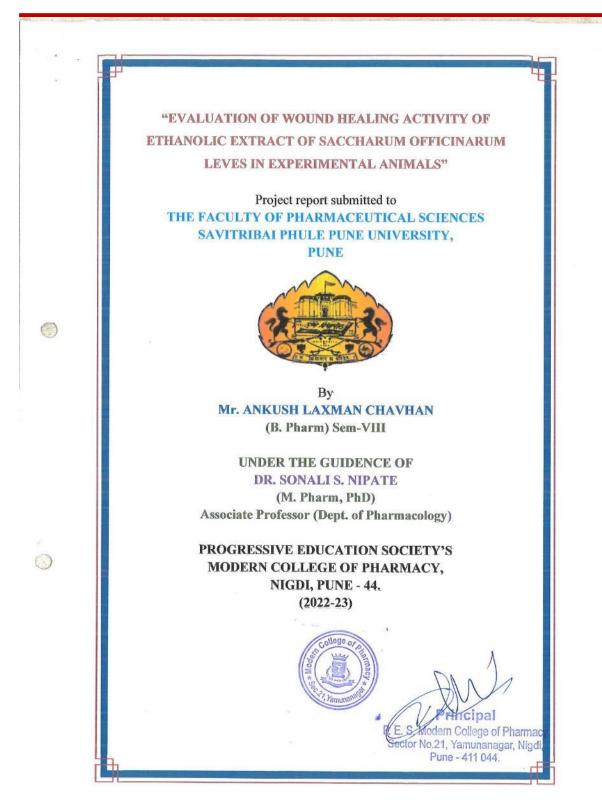
Pune - 411 044.















(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNE UNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I, Mr.Ankush Laxman Chavhan, declare that the thesis entitled, "EVALUATION OF WOUND HEALING ACTIVITY OF ETHANOLIC EXTRACT OF SACCHARUM OFFICINARUM LEAVES IN EXPERIMENTAL ANIMALS." submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Dr. Sonali S. Nipate and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

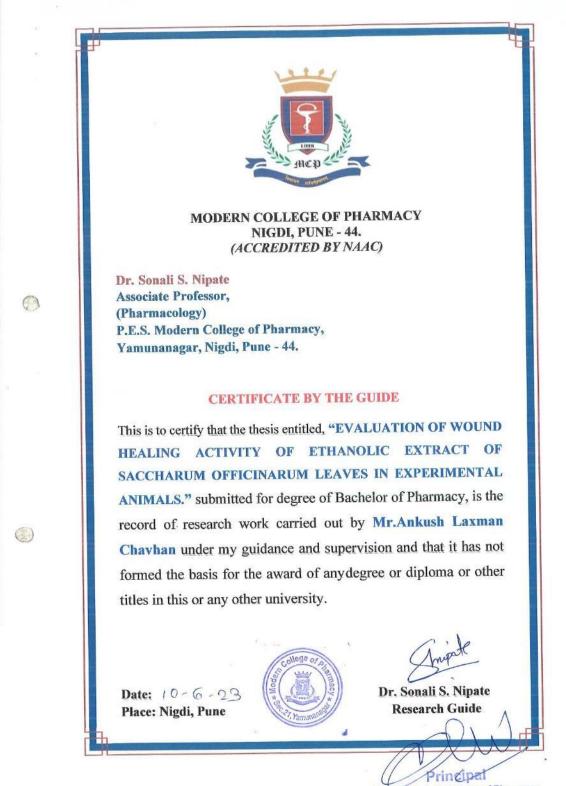
Date: 10-6-23

Mr. Ankush Laxman Chavhan

Place: Nigdi, Pune

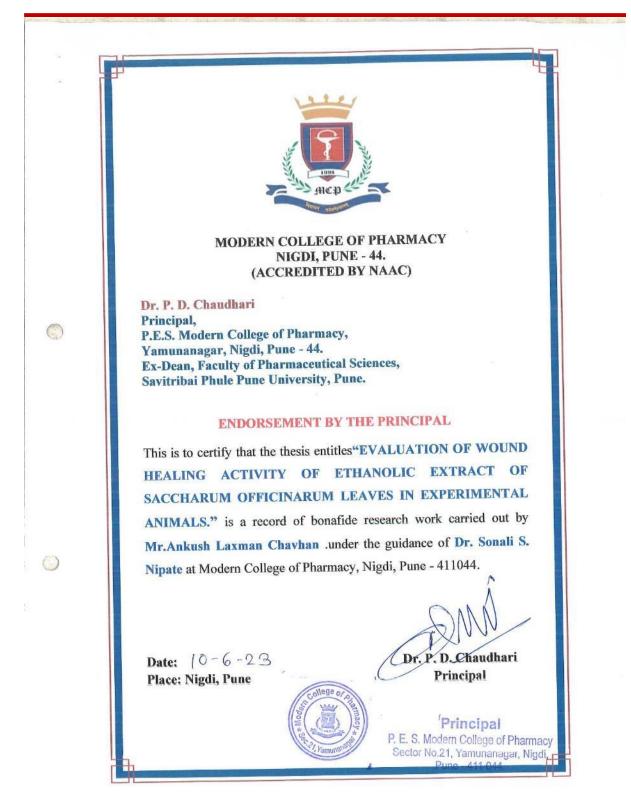














()



ACKNOWLEDGEMENT

It is a moment of gratification and pride to look back with a sense of contentment at the long-travelled path, to be able to recapture some of the fine moments, there are too many people who helped lead me here and supported me.

I dedicated this thesis to my family.

First of all, I take this opportunity to express my heart-felt & deep sense of gratitude with sincerity to my esteemedResearch Guide Dr. Sonali S. Nipate Associate Professor Department of Pharmacology at P.E.S. Modern College of Pharmacy, Nigdi, Pune; for her constant help, support, encouragement and valuable suggestions throughout project work. I am very much thankful for her unflinching support, affection, which helped me a lot in exploring my abilities. She supported me at each and every step of the research work. I must say thanks for her patience and courage to help me out throughout the project and providing good environment for the research work. And made it possible for me to carry out the present work which otherwise, would have been very difficult. It was my luck to get an opportunity to work underher guidance. Thank you, Ma'am!

I express my sincere thanks to **Dr. Praveen D. Chaudhari**, Principal, P.E. Society's Modern College of Pharmacy, Nigdi, Pune, for making available every facility needed for research work.

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





I would like to thank all teaching and non-teaching staff of P.E. Society's Modern College of Pharmacy, Nigdi, Pune for their help to complete my project work successfully.

I am grateful to my friends Shraddha, Akash, Vinod, Akanksha who helped me directly or indirectly in the successful completion of project.

My deepest gratitude goes to my family for their unflagging love and support throughout my life; this dissertation is simply impossible without them.

Nothing can resist a determined will, and without an intense desire to succeed, I will be always thankful to the Almighty GOD for giving me the strength, will and wisdom to carry out the project successfully.

Date: 10-6-23

Mr.Ankush Laxman Chavhan



Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"FORMULATION AND EVALUATION OF HERBAL SHAMPOO"

Project report submitted

The Faculty of
PHARMACOGNOSY
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. Siddhant F. Gaikwad

Mr. Milind G. Dyagatwar

Ms. Vanita R. Bhurkunde

B. Pharm (Semester-VIII)
In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. M. C. Kuchekar

(Associate professor)

Dr. Bhushan Pimple

Head of Department

Department of Pharmacognosy



Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune-44

(2022-23)

(Accredited by NAAC and NBA)

P. E. S. Modern College of Pharmacy

Pune - 411 044.





SAVITRIBAIPHULE PUNE UNIVERSITY



DECLARATION

I am Mr. Siddhant F. Gaikwad, Mr. Milind G. Dyagatwar, Ms. Vanita R. Bhurkunde declared that the thesis entitled "Formulation and evaluation of herbal shampoo" submitted by me for the award of degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of by Dr. M. C. Kuchekar and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2-6-23

Place: Nigdi, Pune.

Mr. Siddhant F. Gaikwad

- Brigations

Mr. Milind G. Dyagatwar

JEB 100

Ms. Vanita R. Bhurkunde

(Final year B. Pharm)







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the thesis entitled, "Formulation and evaluation of herbal shampoo" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Siddhant F. Gaikwad, Mr. Milind G. Dyagatwar, Ms. Vanita R. Bhurkunde under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2-6-23

Place: Nigdi Pune.

Dr. M. C. Kuchekar Research guide

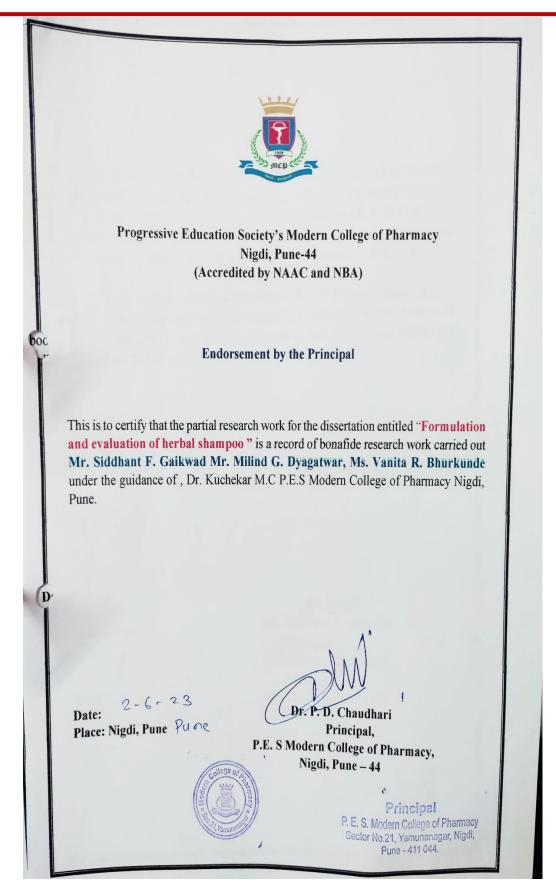
P.E. S Modern College of Pharmacy,

Nigdi, Pune +44

Principal











ACKNOWLEDGEMENT

I am thankful to Dr. P. D. Chaudhari, Principal of PES's Modern College of Pharmacy for providing excellent library and internet facilities. I take this opportunity to express my sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Prof. Dr. M.C. Kuchekar for extending his valuable guidance, instructions and timely support without which this project would not have assumed its shape.

I would like to thank Assistant Librarian of Modern College of Pharmacy and other non-teaching staff members for extending their support in providing all kinds of reference books whenever possible. I am grateful to all teaching and non-teaching staff of the

college for their kind of co-operation extended from time to time.

Date: 2-6-23

Place: Nigdi, Pune-44

Mr. Siddhant F. Gaikwad

Mr. Milind G. Dyagatwar

Ms. Vanita R. Bhurkunde

(Final year B. Pharm)





"FORMULATION AND EVALUATION OF HREBAL LOTION"

Project report submitted to

The Faculty of
PHARMACEUTICAL SCIENCE
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr.Vikas Gangadhar Kurulekar

B. Pharm (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. P. D. Chaudhari (M. pharm Ph. D)

Department of Pharmaceutics

Dr. Mohini Kuchekar(M. pharm Ph. D)

Department of Pharmacognosy



Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune-44

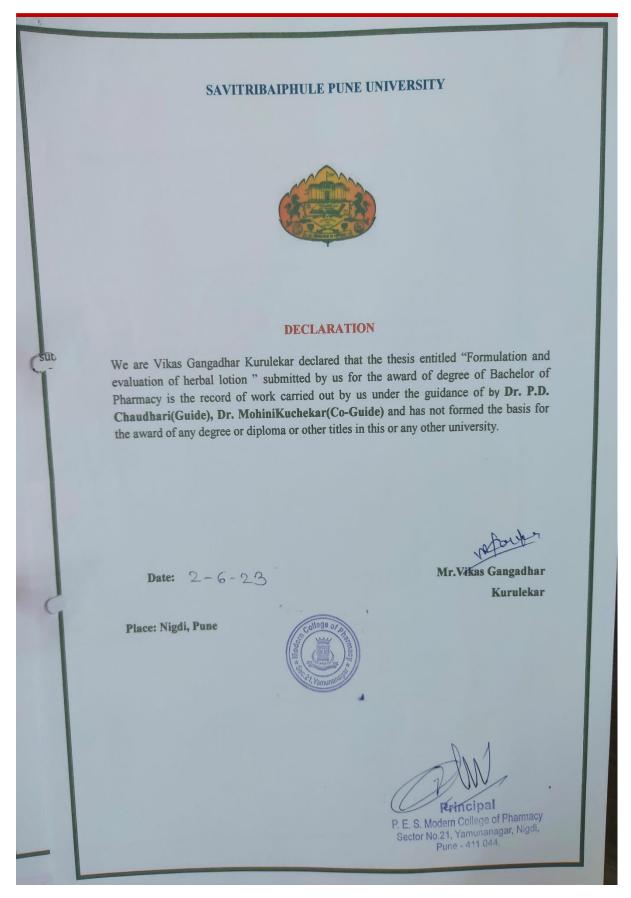
(Accredited by NAAC and NBA)



Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.













Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the thesis entitled, "Formulation and evaluation of herbal lotion" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Vikas Gangadhar Kurulekar under my guidance and supervision and that has not formed the basis for the award of any degreeor diploma or other titles in this or any other university.

Date: 2-6-23

Place: Nigdi Pune

Dr. P. D. Chaudhari (Principal)

P.E. S Modern College of Pharmacy, Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Principal









Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and evaluation of herbal lotion a record of bonafide research work carried out Mr.Vikas Gangadhar Kurulekar under the guidance of Dr.P.D Chaudhari(Guide), Dr. MohiniKuchekar(Co-Guide) P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 2-6-23

Place: Nigdi, PUNE

D. Chaudhari Principal,

P.E. S Modern College of Pharmacy, Nigdi, Pune - 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Principal





"Chemical fingerprinting and antimicrobial activity of selected medicinal herb and its ayurvedic formulation"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Anuj Gaikwad

Guruprasad Chavan

(B. Pharm)

UNDER THE GUIDANCE OF

Dr. Kalyani S. Kakad

(M.Pharm PhD)

DEPARTMENT OF PHARMACOGNOSY

Progressive Education Society's Modern College of Pharmacy,

Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)







SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We Anuj Gaikwad and Guruprasad Chavan declare that the thesis entitled "Chemical fingerprinting and antimicrobial activity of selected medicinal herb and its ayurvedic formulation"submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Dr. Kalyani S. Kakad and has not formed the basis for the award of any degree or diploma or other titles in this or any other university

DATE: 10 -6-23

Mr. Anuj Gaikwad

Mr. Guruprasad Chavan Showa

PLACE: Nigdi







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Dr. Kalyani S. kakad

Associate Professor

Department of Pharmacognosy

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "Chemical fingerprinting and antimicrobial activity of selected medicinal herbs and its ayurvedic formulation" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Anuj Gaikwad and Mr. Guruprasad Chavan under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10 -6-23

Place: Migdi .

Dr. Kalyani S. Kakad

(Associate Professor)





PES's Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E.S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled is a record of bonafide research work carried out by Mr. Anuj Gaikwad and Mr. Guruprasad Chavan "Chemical fingerprinting and antimicrobial activity of selected medicinal herb and its ayurvedic formulation" and under the guidance of Dr. Kalyani S. Kakad at PES,s Modern College of Pharmacy Nigdi, Pune 44

Date: 10 -6-23

Place: Nigdi

Dr.P. D.Chaudhari

(Principal)

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





ACKNOWLEDGEMENT:

The Almighty has been bestowing us with his blessing throughout our life. We thank from bottom of our heart for all that he has done for us and our friends. We are his disciples. Words are few to express the feeling of thanks and gratitude to the following persons.

We would like to grab the opportunity to thank our research guide Dr. Kalyani S. Kakad, Department of Pharmacognosy, Modern College of Pharmacy, Nigdi, Pune for her immense support for the project. Mam you have been a great support for us, enlightening my path of education and knowledge. Thanks for your unparallel and excellent guidance continuous encouragement for our project.

With a deep sense of gratitude and respect, we sincerely thank our esteemed principal Dr.P.D.Chaudhari sir, M.Pharm ,Dean, Faculty of Pharmaceutical Sciences, University of Pune, for his inestimable support, valuable suggestions and constant encouragement during the course of this study. Continuous help, friendly affection, and constant source of inspiration during my project work.

We sincerely acknowledge the timely help rendered to us by all my colleagues during the course of my work.





We sincerely thank the librarian Mrs. Yadav Madam and Mr. Rajendra Chaudhari Sir. for providing us library facilitates and their untiring and really appreciable help in our project.

We are completely short of words in describing the everlasting love and encouragement of our mother and father for their sincere inspiration throughout our research work and lifting us uphill in this phase of our life, we owed everything to them. Besides this, several people have knowingly and unknowingly helped us in the successful completion of the project. It was the blessing of all of them that gave us courage to face the challenges and make our path easier.







"A review on Therapeutic potentials of Bergenia Ligulata wall"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Hrushikesh Ladkat

(B. Pharm)

UNDER THE GUIDANCE OF

Dr. Kalyani S. Kakad

(M.Pharm PhD)

DEPARTMENT OF PHARMACOGNOSY

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)





Principal
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Hrushikesh Ladkat declare that the thesis entitled "A Review on therapeutic potentials of Bergenia ligulate wall" submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Dr. Kalyani S. Kakad and has not formed the basis for the award of any degree or diploma or other titles in this or any other university

DATE: 10 6 23

Mr. Hrushikesh Ladkat

Hadkat:

PLACE: Nigdi



Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. Kalyani S. kakad

Associate Professor

Department of Pharmacognosy

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "A review on Therapeutic potentials of Bergenia ligulate wall" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Hrushikesh Ladkat under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10 6 23

Place: Nigdi

Dr. Kalyani S. Kakad

(Associate Professor)







PES's Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E.S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled is a record of bonafide research work carried out by Mr. Hrushikesh Ladkat "A review on therapeutic potentials of Bergenia ligulate wall" and under the guidance of Dr. Kalyani S. Kakad at PES,s Modern College of Pharmacy Nigdi, Pune 44

Date: 10 | 6 | 23

Place: Nigdi

Dr.P. D. Chaudhari

Principal)







Thesis submitted to
THE FACULTY OF
SCIENCE AND TECHNOLOGY
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MR. ABHISHEK A. MORE

(B. Pharm)

In partial fulfillment of,
The requirements for the degree of
Bachelor of Pharmacy

Under the Guidance of DR. VITTHAL V. CHOPADE

Associate Professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, NIGDI, PUNE-44

(2022-23)

P.E.S. Modern College of Pharm

Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. ABHISHEK A. MORE declare that the thesis entitled "FORMULATION AND EVALUATION OF LOZENGES FROM CITRON FRUITS" submitted by me for degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of DR. VITTHAL V. CHOPADE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 2-6-23 Place: Nigdi, Pune

MR. ABHISHEK A. MORE

armacy *







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC and NBA)

DR. VITTHAL V. CHOPADE

Associate Professor, Department of Pharmaceutical Chemistry, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF LOZENGES FROM CITRON FRUITS" submitted for degree of Bachelor of Pharmacy (Pharmacognosy) is the record of research work carried out by MR. ABHISHEK A. MORE under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2/6/23 Place: Nigdi, Pune Dr. Vitthal V. Chopade Research Guide

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC and NBA)

DR. P. D. CHAUDHARI

Principal,
PES's, Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "FORMULATION AND EVALUATION OF LOZENGES FROM CITRON FRUITS" For BACHELOR OF PHARMACY (PHARMACOGNOSY) is a record of bonafide research work carried out by MR. ABHISHEK A. MORE under the guidance of DR. VITTHAL V. CHOPADE at P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 during the academic year 2022-2023.

Date: 2/6/23

Place: Nigdi, Pune

Dr. P. D. Chaudhari Principal

Principal





"Formulation and Evaluation of Syrup from Citron fruits"

Thesis submitted to THE FACULTY OF SCIENCE AND TECHNOLOGY SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MR. PUSHKAR B. KARANDE PATIL

(B. Pharm) In partial fulfillment of, The requirements for the degree of **Bachelor of Pharmacy**

Under the Guidance of DR. VITTHAL V. CHOPADE

Associate Professor

DEPARTMENT OF PHARMACEUTICAL **CHEMISTRY**

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, **NIGDI, PUNE-44**

(2022-23)





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. PUSHKAR B. KARANDE PATIL declare that the thesis entitled "FORMULATION AND EVALUATION OF SYRUP FROM CITRON FRUITS" submitted by me for degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of DR. VITTHAL V. CHOPADE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 14/06/2023 MR. PUSHKAR B. KARANDE PATIL

Place: Nigdi, Pune







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC and NBA)

DR. VITTHAL V. CHOPADE

Associate Professor, Department of Pharmaceutical Chemistry, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "FORMULATION AND EVALUATION OF SYRUP FROM CITRON FRUITS" submitted for degree of Bachelor of Pharmacy (Pharmacognosy) is the record of research work carried out by MR. PUSHKAR B. KARANDE PATIL under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/0612023

Place: Nigdi, Pune

Dr. Vitthal V. Chopade Research Guide







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NAAC and NBA)

DR. P. D. CHAUDHARI

Principal,
PES's, Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "FORMULATION AND EVALUATION OF SYRUP FROM CITRON FRUITS" For BACHELOR OF PHARMACY (PHARMACOGNOSY) is a record of bonafide research work carried out by MR. PUSHKAR B. KARANDE PATIL under the guidance of DR. VITTHAL V. CHOPADE at P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 during the academic year 2022-2023.

Date: 14/06/2023

Place: Nigdi, Pune

Dr. P. D. Chaudhari Principal

Principal







Thesis submitted to
THE FACULTY OF
SCIENCE AND TECHNOLOGY
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

MR. Jayesh R. Jaiswal

(B. Pharm)

In partial fulfillment of,
The requirements for the degree of
Bachelor of Pharmacy

Under the Guidance of DR. VITTHAL V. CHOPADE

Associate Professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OFPHARMACY, NIGDI, PUNE-44

(2022-23)



Principal

P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am MR. JAYESH R. JAISWAL declare that the thesis entitled "Pharmacognosy Study of Citron Fruits" submitted by me for degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of DR. VITTHAL V. CHOPADE has not formed the basis for the award of any degree or diploma or other titles in this or any other university/organization

Date: 16-6-23

Place: Nigdi, Pune

MR. Jayesh R. Jaiswal

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NAAC and NBA)

DR. VITTHAL V. CHOPADE

Associate Professor, Department of Pharmaceutical Chemistry, PES's, Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled, "Pharmacognosy Study of Citron Fruits" submitted for degree of Bachelor of Pharmacy (Pharmacognosy) is the record of research work carried out by MR. JAYESH R. JAISWAL under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10 -6-23

Place: Nigdi, Pune

Dr. Vitthal V. Chopade Research Guide

Pune - 411 044.







PES's, MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NAAC and NBA)

DR. P. D. CHAUDHARI

Principal,
PES's, Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Pharmacognosy Study of Citron Fruits" For BACHELOR OF PHARMACY (PHARMACOGNOSY) is a record of bonafide research work carried out by MR. JAYESH R. JAISWAL under the guidance of DR. VITTHAL V. CHOPADE at P.E.S. Modern College of Pharmacy, Nigdi, Pune-44 during the academic year 2022-2023.

Date: 10-6-23 Place: Nigdi, Pune Collede of Ollege of Olleg

Dr. P. D. Chaudhari Principal

Principal
P. E. S. Modern College of Pharma
Sector No. 21, Yamunanagar, Nigo

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044





"Formulation and evaluation of polyphenolic tablets"

Thesis submitted to

The Faculty of
PHARMACOGNOSY DEPARTMENT
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Rutuja Vitthal Deshmukh (B. Pharm)
In partial fulfillment of the requirements for the degree

of

Bachelor of Pharmacy

Under the Guidance of

Dr. Bhushan Pimple(PhD)

Head of

Department

DEPARTMENT OF PHARMACOGNOSY

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023) (Accredited by NAAC and NBA)









SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Ms. Rutuja Deshmukh declared that the thesis entitled "formulation and evaluation of polyphenolic tablets" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of **Dr. BHUSHAN PIMPLE** and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 8/6 | 2023

MS. Rutuja Deshmukh

Place: Nigdi, Pune



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA) Dr.BHUSHAN PIMPLE

Head Of Department
Department of Pharmacognosy
PES'S Modern College of Pharmacy
Nigdi, Pune-44

Certificate by the Guide

This is to certify that the thesis entitled, "formulation and evaluation of polyphenolic tablets" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Rutuja Deshmukh under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 8/6/2023

Place: Nigdi, PUNE

Dr. Bhushan Pimple-

(Pharmacognosy)





()





PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal
P.E.S Modern College of Pharmacy
Nigdi, Pune – 44
Ex-Deans, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "formulation and evaluation of polyphenolic tablets" is a record of bonafide research work carried out by Mr.Rutuja Deshmukh under the guidance of Dr.Bhushan Pimple at P.E.S Modern College of PharmacyNigdi, Pune.

Date: 8/6/2023
Place: Nigdi, PUNE

Dr. P. D. Chaudhari Principal





"FORMULATION AND EVALUATION OF HERBAL POLYPHENOLICTABLET"

Project report submitted to

The faculty of **PHARMACOGNOSY** SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Mr. Ganesh Muktanna Kudke Final Yr. B. Pharm (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. Bhushan Pimple(M. Pharm, PhD)

Head of Department

(Pharmacognosy)



Progressive Education Society's

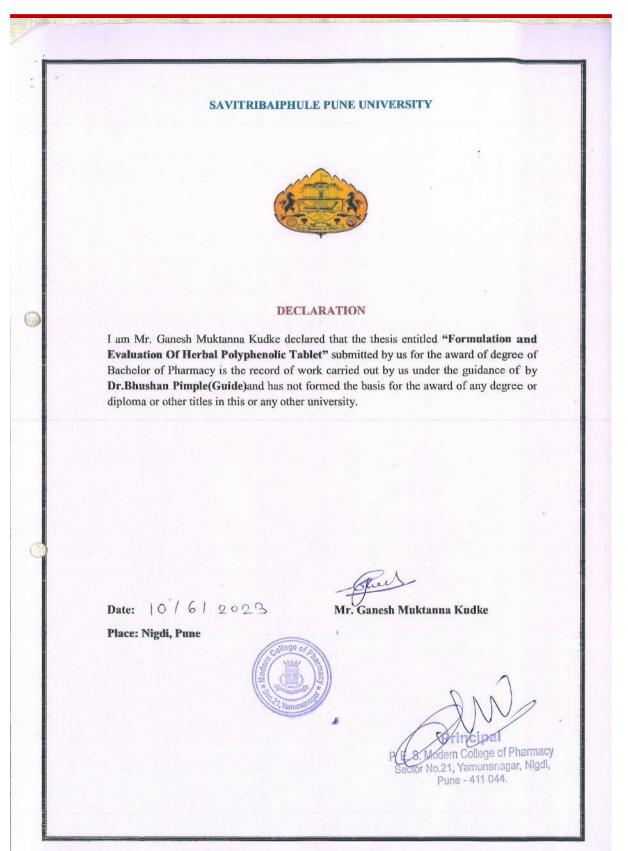
Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)

ripcipal

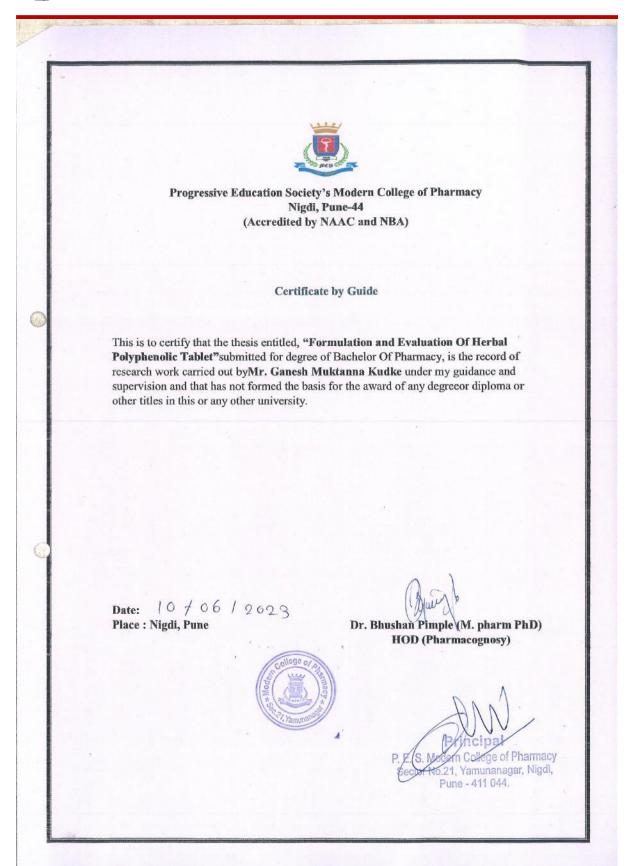


















Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and Evaluation Of Herbal Polyphenolic Tablet" is a record of bonafide research work carried out Mr. Ganesh Muktanna Kudke under the guidance of Dr. Bhushan Pimple (Guide), P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 10 - 06 - 2023

Place: Nigdi, Pune.

Dr. P. D. Chaudhari Principal,

P.E. S Modern College of Pharmacy, Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

College of Orona de la College of Orona de la





ACKNOWLEDGEMENT

I am thankful to Dr. P. D. Chaudhari, Principal of PES's Modern College of Pharmacyfor providing excellent library and internet facilities. I take this opportunity to express my sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Prof.Dr. Bhushan Pimplefor extending his valuable guidance, instructions and timely support without which this project would not have assumed its shape.

I would like to thank Assistant Librarian of Modern College of Pharmacy and other non-teaching staff members for extending their support in providing all kinds of reference books whenever possible. I am grateful to all teaching and non-teaching staff of the college for their kind of co-operation extended from time to time.

Date: 10-6-2023

Place: Nigdi, Pune

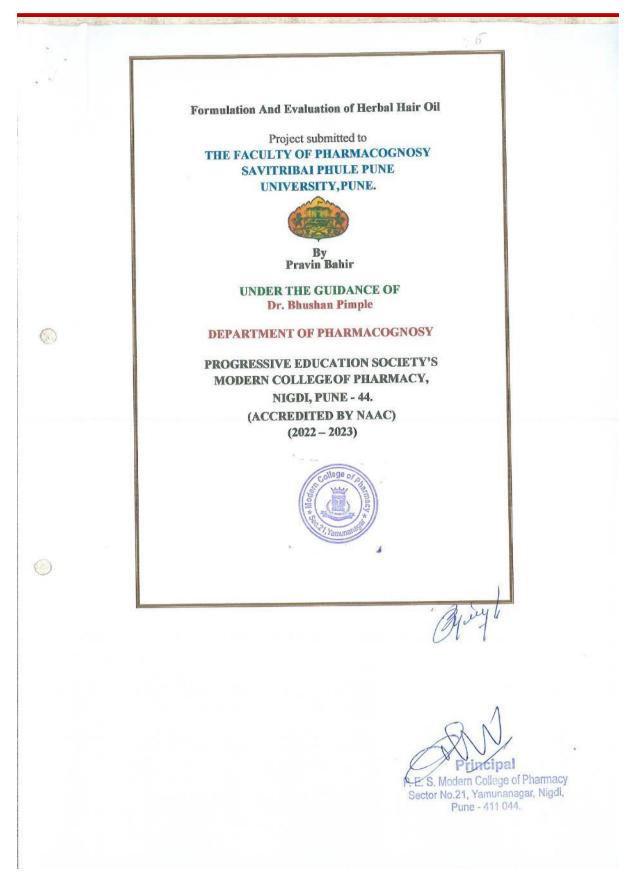
Mr. Ganesh Muktanna Kudke (Final year B. Pharm)

> P. E. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

Ereles-











SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Pravin Bahir declare that the thesis entitled, "formulation and evaluation of herbal hair oil", submitted by me for degree of 'Bachelor of Pharmacy' is the record of work carried out by me under the guidance of Dr. Bhushan Pimple and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 2-6-23

Place: Pune

<u>Pravin</u> Bahir







P. E. Society's

MODERN COLLEGE OF PHARMACY

Nigdi, Pune-44.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation And Evaluation of Herbal Hair Oil", submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 2-6-23

Dr.Bhushan Pimpl

Place: Pune





P. E. Society's

MODERN COLLEGE OF PHARMACY

Nigdi, Pune-44.



ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation And Evaluation of Herbal Hair Oil" is a record of bonafide research work carried out by Pravin Bahir under the guidance of Dr. Bhushan Pimple at Modern College of Pharmacy, Nigdi, Pune-411044.

Date: 2-6-23

Dr. P. D. Chaudhari (Principal)







Project report submitted to

The Faculty of
PHARMACOGNOSY
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms Nikhita Dattatray Kumbhar B. Pharm (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. P. D. Chaudhari (M. pharm Ph. D)

Department of Pharmaceutics

Dr. Bhushan Pimple (M. pharm Ph. D)

Head of Department

Department of Pharmacognosy



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)



P. E. S. Modern College of Pharmacy

Pune - 411 044









DECLARATION

I am Ms. Nikhita Dattatray Kumbhar declared that the thesis entitled "Formulation and evaluation of herbal antifungal cream" submitted by me for the award of degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of by Dr. P.D. Chaudhari (Guide), Dr. Bhushan Pimple (Co-Guide) and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10-6-23

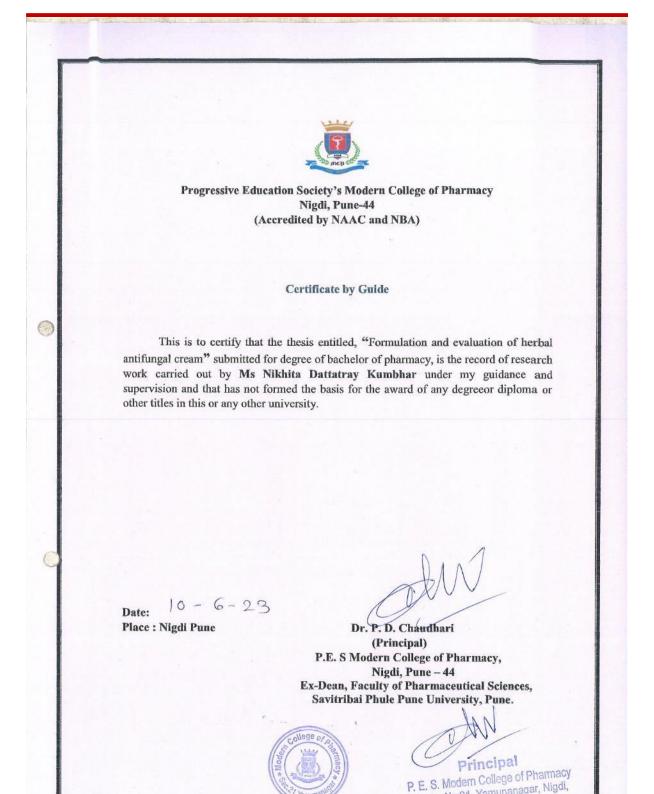
Place: Nigdi, Pune

Chambhar,

Ms. Nikhita Kumbhar







Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and evaluation of herbal antifungal cream" is a record of bonafide research work carried out Ms.Nikhita Dattatray Kumbhar under the guidance of Dr.P.D Chaudhari(Guide), Dr Bhushan Pimple(Co-Guide) P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 10-6-23

Place: Nigdi, Pune

Dr. P. D. Chaudhari Principal,

P.E. S Modern College of Pharmacy, Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

P(E. Strington Cellege of Pharmacy

No.21, Yamunanagar, Nigdi, Pune - 411 044.





ACKNOWLEDGEMENT

I am thankful to Dr. P. D. Chaudhari, Principal of PES's Modern College of Pharmacyfor providing excellent library and internet facilities. I take this opportunity to express my sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Prof.Mr. Bhushan Pimplefor extending his valuable guidance, instructions and timely support without which this project would not have assumed its shape.

I would like to thank Assistant Librarian of Modern College of Pharmacy and other non-teaching staff members for extending their support in providing all kinds of reference books whenever possible. I am grateful to all teaching and non-teaching staff of the college for their kind of co-operation extended from time to time.

Place: Nigdi, Pune-44

Date: 10-6-23

Ms. Nikhita Dattatray Kumbhar

(Final year B. Pharm)







"DESIGN, SYNTHESIS AND EVALUATION OF Fe₂O₃ NANOPARTICLES"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Aparna Patil

(B. Pharm)

UNDER THE GUIDANCE OF

Mr. Shubham Khade

(M. Pharm)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)







SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I APARNA PATIL declare that the thesis entitled "Design, Synthesis and Evaluation of Fe₂O₃ Nanoparticles" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Mr. Shubham Khade and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 14-66-2023

PLACE: Pune







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Mr. Shubham Khade

Assistant Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "Design, Synthesis and Evaluation of Fe₂O₃ Nanoparticles" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Ms. Aparna Patil under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/06/23

Place: Pune

Mr. Shubham Khade

(Assistant Professor)







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E.S. Modern College of Pharmacy Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled is a record of bonafide research work carried out by Ms. Aparna Patil "Design, Synthesis and Evaluation of Fe₂O₃ Nanoparticles" and under the guidance of Mr. Shubham Khade at P.E.S Modern College of PharmacyNigdi, Pune

Date: 14/06123

Place: pune

Dr. P. D. Chaudhari (Principal)





"SYNTHESIS AND CHARACTERIZATION OF MAGNETIC NANOPARTICLES"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Balu Kailas Palekar

(B. Pharm)

UNDER THE GUIDANCE OF

Mr. Shubham Khade

(M. Pharm)

DEPARTMENT OF PHARMACEUTICAL QUALITY ASSURANCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)





Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I BALU KAILAS PALEKAR declare that the thesis entitled "Synthesis and characterization of magnetic nanoparticles" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Mr. Shubham Khade and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 2-6-23

PLACE: pune

College of Opportunity &

Balu Palekar

Principal







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Mr. Shubham Khade

Assistant Professor

Department of Pharmaceutical Quality Assurance

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "Synthesis and characterization of magnetic nanoparticles" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Mr. Balu Palekar under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2/6/23

Place: pune

Mr. Shubham Khade

phodist

(Assistant Professor)







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences
Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled is a record of bonafide research work carried out by Mr. Balu Palekar "Synthesis and characterization of magnetic nanoparticles" and under the guidance of Mr. Shubham Khade at P.E.S Modern College of Pharmagy Nicoli Pure

College of Pharmacy Nigdi, Pune

Date: 216123

Place: pune

y. P. D. Chaudhari (Principal)

Principal

E. S. Modern College of Ph





"SYNTHESIS AND EVALUATION OF IRON OXIDE NANOPARTICLES WITH APPLICATIONS"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Niranjan Gulabsing Rajput

(B. Pharm)

UNDER THE GUIDANCE OF

Mr. Shubham Khade

(M. Pharm)

DEPARTMENT OF PHARMACEUTICAL QUALITY
ASSURANCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)











PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I NIRANJAN GULABSING RAJPUT declare that the thesis entitle "SYNTHESIS AND EVALUATION OF IRON OXIDE NANOPARTICLES

WITH APPLICATIONS" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of **Mr. Shubham Khade** and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 12/06/2023

PLACE: Nigeli

Niranjan Rajput







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Mr. Shubham Khade

Assistant Professor

Department of Pharmaceutical Quality Assurance

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "SYNTHESIS AND EVALUATION OF IRON OXIDE NANOPARTICLES WITH APPLICATIONS" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Mr. Niranjan Rajput under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 12/06/2023

Place: Nigdi

Mr. Shubham Khade (Assistant Professor)









P.E.S Modern College of Pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy
Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences
Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled is a record of bonafide research work carried out by Mr. Niranjan Rajput "SYNTHESIS AND EVALUATION OF IRON OXIDE NANOPARTICLES WITH APPLICATIONS" and under the guidance of Mr. Shubham Khade at P.E.S Modern College of Pharmacy Nigdi, Pune

Date: 12/06/2023

Place: Nigdi

Dr. P. D. Chaudhari

Principal)

P.E. S. Motern Cattege of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"ECO-FRIENDLY METHOD DEVELOPMENT AND VALIDATION BY UV-VISIBLE SPECTROSCOPY"

Project report submitted to
The Faculty of
PHARMACEUTICAL SCIENCE
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Rane Tejashree Satish, Mr. Shinde Samarth Dattatraya and Mr. Wakale Akash Vaynkati. (B. Pharm) (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Mrs. Sheetal Chaudhari

Department of Pharmaceutical Chemistry



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)



Ninetpal

S Modern College of Pharmacy
ector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Ms. Rane Tejashree Satish, Mr. Shinde Samarth Dattatraya and Mr. Wakale Akash Vyankati, declared that the thesis entitled "ECO-FRIENDLY METHOD DEVELOPMENT AND VALIDATION BY UV-VISIBLE SPECTROSCOPY OF CHLORTHALIDONE" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of by Mrs. Sheetal Chaudhari and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 02/06/2023

Place: Nigdi, Pune

Ms. Rane Tejashree Satish.

Mr. Shinde Samarth Dattatraya.

Mr. Wakale Akash Vyankati. Aakash

Principal
P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the thesis entitled, "ECO-FRIENDLY METHOD DEVELOPMENT AND VALIDATION BY UV-VISIBLE SPECTROSCOPY OF CHLORTHALIDONE" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Rane Tejashree Satish, Mr. Shinde Samarth Dattatraya and Mr. Wakale Akash Vyankati under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 02/06/2023

Place: Nigdi Pune

Mrs. Sheetal Chaudhari.

Dept. of Pharmaceutical Chemistry

College of College of

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "ECO-FRIENDLY METHOD DEVELOPMENT AND VALIDATION BY UV-VISIBLE SPECTROSCOPY OF CHLORTHALIDONE" is a record of bonafide research work carried out by Ms. Rane Tejashree Satish, Mr. Shinde Samarth Dattatraya and Mr. Wakale Akash Vyankati under the guidance of Mrs. Sheetal Chaudhari at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 02/06/2023

Place: Nigdi, Pune-44

Dr. P. D. Chaudhari Principal

P.E. S Modern College of Pharmacy, Nigdi, Pune – 44 Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

ollege of Pharmacy

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Project Report submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By
MS. NAIK SHREENIDHI GURUDAS
MS. SHETE PRIYA KISAN
MR. TAPKIR ROHIT GANESH

In partial fulfillment of The requirements for the degree of

BACHELOR OF PHARMACY

Under the Guidance of MRS. RUPALI R. JINTURKAR

(M. Pharm)

Assistant Professor Department of Pharmaceutical Chemistry

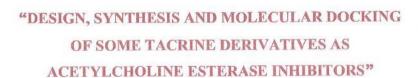
PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE
(2022-23)

P. E. S. Modern College of Pharma Sector No.21, Yamunanagar, Nigro



(1)





Project Report submitted to
THE FACULTY OF PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY,
PUNE



By

MS. NAIK SHREENIDHI GURUDAS MS. SHETE PRIYA KISAN MR. TAPKIR ROHIT GANESH

In partial fulfillment, of The requirements for the degree of

BACHELOR OF PHARMACY

(Semester - VIII)

UNDER THE GUIDENCE OF

MRS. RUPALI R. JINTURKAR

(M. Pharm)

Assistant Professor

(Dept. of Pharmaceutical Chemistry)

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,

NIGDI, PUNE – 44

(Accredited by NAAC and NBA)

Tor No.21, Yamunanagar, Nigdi, Pune - 411 044.







SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We, Ms. Naik Shreenidhi Gurudas, Ms. Shete Priya Kisan and Mr. Tapkir Rohit Ganesh declare that the project report entitled, "DESIGN, SYNTHESIS AND MOLECULAR DOCKING OF SOME TACRINE DERIVATIVES AS ACETYLCHOLINE ESTERASE INHIBITORS" submitted by us for the Degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of MRS. RUPALI R. JINTURKAR has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 10-6-23

Ms. Naik Shreenidhi Gurudas

Place: Nigdi, Pune

Ms. Shete Priya Kisan

Mr. Tapkir Rohit Ganesh



Principal
Principal
Principal
Principal
Principal

Pune - 411 044





MRS. RUPALI R. JINTURKAR

Asst. Professor (Pharmaceutical Chemistry) P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (Accredited by NAAC and NBA)

CERTIFICATE BY GUIDE

This is to certify that the project report entitled, "Design, Synthesis and Molecular docking of some Tacrine derivatives as Acetylcholine Esterase inhibitors" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by Ms. Naik Shreenidhi Gurudas, Ms. Shete Priya Kisan and Mr. Tapkir Rohit Ganesh under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 10 -6-23

Place: Nigdi, Pune

Mrs. Rupali R. Jinturkar Dept. of Pharmaceutical Chemistr

Duna - 411 042

Modern College of P



0



Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (Accredited by NAAC and NBA)

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the project report entitled, "Design, Synthesis and Molecular docking of some Tacrine derivatives as Acetylcholine Esterase inhibitors" is a record of bonafide research work carried out by Ms. Naik Shreenidhi Gurudas, Ms. Shete Priya Kisan and Mr. Tapkir Rohit Ganesh under the guidance of Mrs. Rupali R. Jinturkar at Modern College of Pharmacy, Nigdi, and Pune-411044.

Date: 10-6-23

Place: Nigdi, Pune

Dr. P. D. Chaudhari

Principal

Principal

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



(7)

(19)



ACKNOWLEDGEMENT

We are thankful to Dr. P. D. Chaudhari, Principal of PES Modern College of Pharmacy for providing excellent library and internet facilities. We take this opportunity to express our sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Prof. Mrs. Rupali R. Jinturkar for extending her valuable guidance, instructions and timely support without which this project would not have assumed its shape.

We would like to thank Assistant Librarian of Modern College of Pharmacy and other non-teaching staff members for extending their support in providing all kinds of reference books whenever possible. We are grateful to all teaching and non-teaching staff of the college for their kind co-operation extended from time to time.

We express our deep sense of gratitude towards our parents for their constant support and valuable help throughout this work.

Date: 10-6-23

Ms. Naik Shreenidhi Gurudas

Place: Nigdi, Pune Ms. Shete Priya Kisan

Mr. Tapkir Rohit Ganesh

(Final year B. Pharm)

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044





"Formulation and Evaluation of Gunja Cream"

Thesis submitted to

The Faculty of

PHARMACEUTICAL SCIENCE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Dhanashree Nitin Yadav

Ms. Smita Gaikwad

Mr. Niraj Sonawane

(B. Pharm)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Ms. Nikita Kale

M. Pharm

Assistant Professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-23)

(Accredited by NAAC and NBA)



P. E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Ms. Dhanashree Nitin Yadav, Ms.Smita Gaikwad, Mr. Niraj Sonawane declared that the thesis entitled "Formulation and Evaluation of Gunja Cream" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Ms. Nikita Kale and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date

14-06-2023

Place: Nigdi, Pune

Ms. Dhanashree Nitin yadav

Ms. Smita Gaikwad (Araikwa

Mr. Niraj Sonawane

College of or an analysis of the college of the col

P. E. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

2







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by the Guide

This is to certify that the thesis entitled, "Formulation and Evaluation of Gunja Cream" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Dhanashree Nitin Yadav, Ms. Smita Gaikwad, Mr. Niraj Sonavane under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2 6 23

Place: Nigdi, Pune

US

Ms. Nikita Kale

(M. Pharm, Assistant Prof.)

Department of Pharmaceutical Chemistry
P.E. S Modern College of Pharmacy

Nigdi, Pune – 44

College of or an annual state of the state o

P. E. S. Medern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

3







PES's Modern College of Pharmacy Nigdi, Punc-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and Evaluation of Gunja Cream" is a record of bonafide research work carried out by Ms. Dhanashree Nitin Yadav, Ms. Smita Gaikwad, Mr.Niraj Sonawane under the guidance of Ms. Nikita Kale at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 2/6/23 Place: Nigdi, Pune College of State of S

Principal, P.E. S Modern College of

Pharmacy Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Principal
PLE & Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

4





"Formulation and Evaluations of Polyherbal Chewable Tablet"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERCITY, PUNE



Submitted by

Kadambari Shinde

Varsha Shinde

(B.Pharm)

UNDER THE GUIDANCE OF

Ms. Anita Malusare

(B. Pharm)

Assistant Professor

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)



Principal
P. E. S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We Ms. Kadambari Shinde, MS. Varsha Shinde. declare that the thesis entitled "Formulation and Evaluations of Polyherbal Chewable Tablet" submitted by us for the degree of Bachelor of Pharmacy is the record work carried out by us under the guidance of Ms. Anita Malusure and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 14 06 23

PLACE: Nigdi Pune

College of College of

Kadambari Shinde

Varsha Shinde Singhe

P. E. Stodern Codege of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Ms. Anita Malusare

Assistant Professor

Department of Pharmaceutical Chemistry

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation and Evaluations of Polyherbal Chewable Tablet" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Kadambari Shinde, MS. Varsha Shinde under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14 |06 | 23

Place: Nigdi, Pane

College of Amunantial

Ms. Anita Malusare

(Assistant Professor)

P. E. S. Modern Cettege of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and Evaluations of Polyherbal Chewable Tablet" is a record of bonafide research work carried out by Ms. Kadambari Shinde, Ms. Varsha Shinde under the guidance of Ms. Anita Malusare at P.E.S Modern College of PharmacyNigdi, Pune.

Date: 14/06/23
Place: Nigdir Pune

Dr. P. O. Chaudhari (Principal)

> S. Modern College of Pharmacy ctor No.21, Yamunanagar, Nigdi, Pune - 411 044.





ACKNOWLEDGEMENT:

The Almighty has been bestowing us with his blessing throughout our life. I thank from bottom of my heart for all that he has done for me and my friends. We are his disciples. Words are few to express the feeling of thanks and gratitude to the following persons.

I would like to grab the opportunity to thank my research guide Ms. Anita Malusare, Department of Pharmaceutical Chemistry Modern College of Pharmacy, Nigdi, Pune for her immense support for the project. Mam you have been a great support for me, enlightening my path of education and knowledge. Thanks for your unparallel and excellent guidance continuous encouragement for my project.

With a deep sense of gratitude and respect, I sincerely thank our esteemed principal Dr. P.D. Chaudhari sir, M.Pharm, Dean, Faculty of Pharmaceutical Sciences, University of Pune, for his inestimable support, valuable suggestions and constantencouragement during the course of this study. Continuous help, friendly affection, and constant source of inspiration during my project work.

I sincerely acknowledge the timely helprendered to me by all my colleagues during the course of my work.

College of organization of the college o

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





I sincerely thank the librarian Mrs. Yadav Madam and Mr. Rajendra Chaudhari Sir. for providing me library facilitates and their untiring and really appreciable help in my project.

I am completely short of words in describing the everlasting love and encouragement of my mother and father for their sincere inspiration throughout my research work and lifting me uphill in this phase of my life, I owe everything to them. Besides this, several people have knowingly and unknowingly helped me in the successful completion of the project. It was the blessing of all of them that gave me courage to face the challenges and make my path easier.



Principal

Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





"RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR DETERMINATION OF FELBINAC"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERCITY, PUNE



Submitted by

Ms.Anjali Wasule

(B.Pharm)

UNDER THE GUIDANCE OF

Ms. Anita Malusare

(M.Pharm)

DEPARTMENT OF PHARMACEUTICS

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)





Principal
PE. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Ms. Anjali Wasule declare that the thesis entitled "RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR DETERMINATION OF FELBINAC" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Ms. Anita Malusare and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 14 106/23

PLACE: Nigdi.

Anjali wasule

P. E. S. Modern Pollege of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Ms. Anita Malusare

Assistant Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "RP-HPLC Method development and validation for determination of Felbinac" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Anjali Wasule under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/06/23

Place: Nigd?

M

Ms. Anita Malusare

(Assistant Professor)

Vincipal

P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "RP-HPLC Method development and validation for determination of Felbinac" is a record of bonafide research work carried out by MS.Anjali Wasule under the guidance of Ms. Anita Malusare at P.E.S Modern College of PharmacyNigdi, Pune

Date: 14/06/23

Place: pune

Dr. P. D. Chaudhari
(Principal)

P. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR DETERMINATION OF FELBINAC"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERCITY, PUNE



Submitted by

Akansha Telang

Nagesh Shirfule

Ashish Sakhare

(B.Pharm)

UNDER THE GUIDANCE OF

Ms. Arti Shingan

(M.Pharm)

DEPARTMENT OF PHARMACEUTICS

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)





PE.S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We Ms. Akansha Telang, Mr. Nagesh Shirfule, Mr. Ashish Sakhare declare that the thesis entitled "RP-HPLC METHOD DEVELOPMENT AND VALIDATION FOR DETERMINATION OF FELBINAC" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Ms. Arti Shingan and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 1416123

PLACE: Nigdi

College of Signature

Akansh Telang A

Nagesh Shirfule

Ashish Sakhare

S. Modern College of Pharmacy for No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Ms. Arti Shingan

Assistant Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled RP-HPLC Method development and validation for determination of felbinac" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Akansha Telang, Mr. Nagesh Shirfule, Mr. Ashish Sakhare under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14-06-22



Ms. Arti Shingah

P.E.S. Modern College of Pharmacy Sector No. 21, Yamunanagar, Nigdi,

Pune - 411 044





Place:

(Assistant Professor)



P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "RP-HPLC method development and validation for determination of felbinac" is a record of bonafide research work carried out by Ms.Akansha Telang, Mr.Nagesh Shirfule, Mr. Ashish Sakhare under the guidance of Ms. Arti Shingan at P.E.S Modern College of PharmacyNigdi, Pune

Date: 14-66-23

Place: Pune

P. D. Chaudhari (Principal)

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



Criteria 1: Curricular Aspects



"Method Development And Validation In Bulk And Pharmaceutical Dosage Form By HPTLC"

Project report submitted to

The Faculty of

PHARMACEUTICAL SCIENCE

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Zanwar Mansi Navalkishor Ms. Shinde Utkarsha Namdevrao Ms. More Mayuri Mangilal (B. Pharm) (Scmester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Mrs. Vasudha Bavadekar

Department of Pharmaceutical Chemistry



Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)



Principal

E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Ms. Zanwar Mansi Navalkishor, Ms. Shinde Utkarsha Namdevrao, Ms. More Mayuri Mangilal, declared that the project entitled "METHOD DEVELOPMENT AND VALIDATION IN BULK AND PARAMCEUTICAL DOSAGE FORM BY HPTLC" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of by Mrs. Vasudha Bavadekar and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 02/06/2023

Place: Nigdi, Pune

Ms. Zanwar Mansi Navalkishor. 7890096

Ms. Shinde Utkarsha Namdevrao . W

Ms. More Mayuri Mangilal. Mb

College of College of

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



Criteria 1: Curricular Aspects





Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the project entitled, "METHOD DEVELOPMENT AND VALIDATION IN BULK AND PARAMCEUTICAL DOSAGE FORM BY HPTLC" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Zanwar Mansi Navalkishor, Ms. Shinde Utkarsha Namdevrao, Ms. More Mayuri Mangilal under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 02/06/2023

Place: Nigdi Pune

Mrs. Vasudha Bavadekar

Dept. of Pharmaceutical Chemistry



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



Criteria 1: Curricular Aspects





Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "METHOD DEVELOPMENT AND VALIDATION IN BULK AND PARAMCEUTICAL DOSAGE FORM BY HPTLC" is a record of bonafide research work carried out by Ms. Zanwar Mansi Navalkishor Ms. Shinde Utkarsha Namdevrao Ms. More Mayuri Mangilal under the guidance of Mrs. Vasudha Bavadekar at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date:

Place: Nigdi, PUNE

an College of the state of the

Dr. P. D. Chaudhari Principal

P.E. S Modern College of Pharmacy, Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

> E. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"FORMULATION AND EVALUATION OF POLYHERBAL ANTI-INFLAMMATORY ANALGESIC LINIMENT FOR GOUTY ARTHRITIS AND OSTEOARTHRITIS"

Project report submitted to
The faculty of

PHARMACEUTICAL SCIENCE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Ms. Sonali Nengule and Mr. Kartik Yenkure

(B. Pharm)(sem-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Prof. Devendra L. Visokar

(M. Pharm)

Assistant Professor

DEPARTMENT OF PHARMACEUTICS

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)



Formulation and Evaluation of polyherbal Anti-inflammatory analgesics liniment for gouty arthritis and osteoarthritis

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



(

(1)



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. Sonali Nengule declared that the project report entitled "Formulation and evaluation of polyherbal Anti-inflammatory analgesics liniment for gouty arthritis and osteoarthritis" submitted by me for the degree of Bachelor of Pharmacy is the record of research work carried out by me under the guidance of Prof. Devendra L. Visokar and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10-06-23

Place: Nigdi, pune

College of American A

Ms. Sonali Nengule

Formulation and Evaluation of polyherbal Anti-inflammatory analgesics linim arthritis and osteoarthritis

P. E. S. Arlodern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULEPUNE UNIVERSITY



DECLARATION

I am Mr. Kartik Yenkure declared that the project report entitled "Formulation and evaluation of polyherbal Anti-inflammatory analgesics liniment for gouty arthritis and osteoarthritis" submitted by me for the degree of Bachelor of Pharmacy is the record of research work carried out by me under the guidance of Prof. Devendra L. Visokar and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10 - 6 - 23

Place: Nigdi, pune

Mr. Kartik Yenkure

Formulation and Evaluation of polyherbal Anti-inflammatory analgesics limited arthritis and osteoarthritis

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by the Guide

This is to certify that the project report entitled, "Formulation and evaluation of polyherbal Anti-inflammatory analgesics liniment for gouty arthritis and osteoarthritis" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Sonali Nengule and Mr. Kartik Yenkure under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date:

10-06-23

Place: Nigdi, pune

Prof. Devendra L. Visokar (Dept. of pharmaceutics)

Formulation and Evaluation of polyherbal Anti-inflammatory analgesics liminent for arthritis and osteoarthritis

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and evaluation of polyherbal Anti-inflammatory analgesics liniment for gouty arthritis and osteoarthritis" is a record of bonafide research work carried out by Ms. Sonali Nengule and Mr. Kartik Yenkure under the guidance of Prof. Devendra L. Visokar at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 10 -6-23

Place: Nigdi, pune.

Dr.P. D. Chaudhari (Principal)

Formulation and Evaluation of polyherbal Anti-inflammatory analgesics liniment for course arthritis and osteoarthritis

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





FORMULATION AND EVALUATION OF POLYHERBAL ANTI-AGING CREAM

Project Report submitted to

The faculty of
PHARMACEUTICAL SCIENCE
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Mr. Mahesh Pekamwar

(B. Pharm) (Semester VIII)

In partial fulfillment of the requirements for the degree of Bachelor of Pharmacy

Under the Guidance of

Prof. Devendra L. Visokar

(M. Pharm)

Assistant Professor

DEPARTMENT OF PHARMACEUTICS

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023) (Accredited by NAAC and NBA)



College of Distriction

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Mr. Mahesh Pekamwar declared that the project entitled "Formulation and Evaluation of Polyherbal Anti-aging cream" submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Prof. Devendra L. Visokar and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2/6/23

Place: Nigdi, Pune

college of the state of the sta

Mr. Mahesh Pekamwar

Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by the Guide

This is to certify that the project entitled, "Formulation and Evaluation of Polyherbal Anti-aging cream" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Mahesh Pekamwar under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2/6/23 Place: Nigdi, Pune College of programme of the college of programme of the college of programme of the college of t

Prof. Devendra L. Visokar (Dept. of Pharmaceutics)

> P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and Evaluation of Polyherbal Anti-aging cream" is a record of bonafide research work carried out by Mr. Mahesh Pekamwar under the guidance of Prof. Devendra L. Visokar at P.E.S. Modern College of Pharmacy Nigdi, Pune.

Date: 2/6/23 Place: Nigdi, Pune College of Oliver and American

Dr. P. D. Chaudhari (Principal)

E.S. Moderfi College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



Criteria 1: Curricular Aspects



"Formulation and Evaluation of Polyelectrolyte Complex Nanoparticles for Diabetes"

Project report submitted to
The Faculty of
PHARMACEUTICAL SCIENCES

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Ву

Ms. Shweta Wagh (B. Pharm) (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. Sangita.A.Kale

Department of Pharmaceutics



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)



E. S. Modern College of Pharmacy Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION



I am Ms. Shweta Wagh declared that the thesis entitled "Formulation and Evaluation of Polyelectrolyte Complex Nanoparticles for Diabetes" submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of by Dr. Sangita.A.Kale and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.



Date: 3/6/23

Place: Nigdi, Pune



Ms. Shweta Wagh

E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi,
Pune-44
(Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the thesis entitled, "Formulation and Evaluation of Polyelectrolyte Complex Nanoparticles for Diabetes" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Shweta Wagh under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 03 | 06 | 23

Place: Nigdi Pune

College of Standards

Dr. Sangita.A.Kale
(Department of Pharmaceutics)

S. Modern College of Pharmacy actor No.21, Yamurianagar, Nigdi, Pune - 411 044.









Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and Evaluation of Polyelectrolyte Complex Nanoparticles for Diabetes" is a record of bonafide research work carried out by Ms. Shweta Wagh under the guidance of Dr. Sangita.A.Kale at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 3/6/23

Place: Nigdi, Pune- 44

Principal

P.E. S Modern College of Pharmacy,

Nigdi, Pune - 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Pune - 411 044.

ollege of Pharmacy nunanagar, Nigdi,







Project Report Submitted to

The Faculty of

PHARMACEUTICAL SCIENCES

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Mr. Ajinkya P. Salve

(B.Pharm)

In partial fulfilment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. SANGITA A. KALE

DEPARTMENT OF PHARMACEUTICS



Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)



E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Mr. Ajinkya Salve declare that the thesis entitled "Formulation and Evaluation of Transdermal Patch For Wound Healing" submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Dr. Sangita A. Kale and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2/6/23

Place: Nigdi, Pune

College or Jamunament

Mr. Ajinkya Salve

P. E. S. Medern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by the Guide

This is to certify that the thesis entitled, "Formulation and Evaluation of Transdermal Patch For Wound Healing" submitted for degree of bachelor of Pharmacy, is the record of research work carried out by Mr. Ajinkya Salve under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 2/6/23

Place: Nigdi

Dr. Sangita A Kale

Dept. of Pharmaceutics

Tedern College of Pharmacy No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation and Evaluation of Transdermal Patch For Wound Healing " is a record of bonafide research work carried out by Mr. Ajinkya Salve under the guidance of Dr. Sangita A. Kale at P.E.S Modern College of Pharmacy, Nigdi, Pune.

Date: 2/6/23

Place: Nigdi, Pune-44

Dr. P.D. Chaudhari

Principal

P.E.S Modern college of Pharmacy,

Nigdi, Pune-44

Ex-Deans, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Aodern College of Pharmacy No.21, Yamunanagar, Nigdi, Pune - 411 044.







Project Report Submitted to

The Faculty of

PHARMACEUTICAL SCIENCES

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By Vasundhara Patil

(B.Pharm)

In partial fulfilment of the requirements for the degree o

Bachelor of Pharmacy

Under the Guidance of

Dr. SANGITA A. KALE

DEPARTMENT OF PHARMACEUTICS



Modern College of Pharmacy, Nigdi, Pune, 44

(Accredited by NAAC and NBA)

S. Modern College of Pharmacy ector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I am Ms. Vasundhara Patil declare that the thesis entitled "Polysaccharide based Drug Delivery System for Periodontitis" submitted by me for the degree of Bachelor of Pharmacy is the record of work carried out by me under the guidance of Dr. Sangita A. Kale and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 02 06 23

Place: Nigdi, Pune

Ms. Vasundhara Patil

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by the Guide

This is to certify that the thesis entitled, "Polysaccharide based Drug Delivery System for Periodontitis" submitted for degree of bachelor of Pharmacy, is the record of research work carried out by Ms. Vasundhara Patil under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 02 06 23

Place: Nigdi

Dr. Sangita A Kale

Dept. of Pharmaceutics

derr College of Pharmacy

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Polysaccharide based Drug Delivery System for Periodontitis" is a record of bonafide research work carried out by Ms Vasundhara Patil under the guidance of Dr. Sangita A. Kale at P.E.S Modern College of Pharmacy, Nigdi, Pune.

Date: 2/6/23

Place: Nigdi, Pune-44

Or. P.D. Chaudhari

Principal

P.E.S Modern college of Pharmacy,

Nigdi, Pune-44

Ex-Deans, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Rune.

> P. S. Modern College of Pharmacy Sester No.21, Yamunanagar, Nigdi, Pune - 411 044.





FORMULATION AND EVALUATION OF TERBINAFINE HYDROCHLORIDE **NIOSOMAL NAIL LACQUER**

Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



Ms. Thite Mohini Laxman

(B.PHARM)

For the award of degree

BACHELOR OF PHARMACY

UNDER THE GUIDANCE OF

Dr.U.S.Desai (M Pharm, PhD)

Assistant Professor

(Dept of Pharmaceutics) **DEPARTMENT OF PHARMACEUTICS**

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE - 44.

(ACCREDITED BY NAAC AND NBA)



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Ms. Thite Mohini Laxman declare that the thesis entitled, "Formulation and evaluation of terbinafine hydrochloride Niosomal Nail Lacquer", submitted by me for degree of 'Bachelor of Pharmacy' is the record of work carried out by me under the guidance of Dr. U.S. Desai and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 03/06/2023

Place: Nigdi, Pune

MS. Thite Mohini Laxman

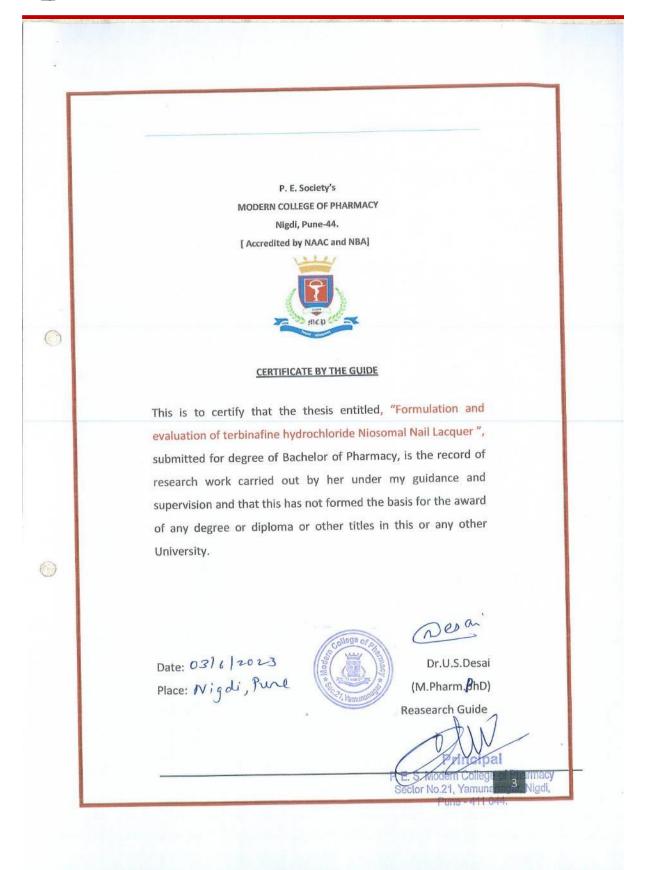
No.21, Yamunanagar, Nigdi, Pune - 411 044.

2











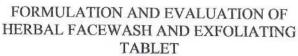
Criteria 1: Curricular Aspects











Thesis submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCESSAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



By
Ms. Vaishnavi Balkrushna Sonone
(B. Pharm)

For the award of degree

BACHELOR OF PHARMACY

UNDER THE GUIDANCE OF Dr. U. S. Desai (M. Pharm, PhD)

Assistant professor (Dept of Pharmaceutics)

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

(2022 - 2023)



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nicoli,





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Ms. Vaishnavi Balkrushna Sonone declare that the thesis entitled, "Formulation and evaluation of Herbal facewash and Exfoliating tablet", submitted by me for degree of 'Bachelor of Pharmacy' is the record of work carried out by me under the guidance of Dr. U.S. Desai and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 2/6/23

Ms. Vaishnavi Sonone

Place: Nigadi, Pune.

E. Hodern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation and evaluation of Herbal Facewash and Exfoliating Tablet", submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 216123

Dr. U. S. Desai

(mesa

Place: Nigadi, Pune.

(M. Pharm, PhD) Research Co₇Guide

> P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation and evaluation of Herbal Facewash and Exfoliating Tablet" is a record of bonafide research work carried out by Ms. Vaishnavi Balkrushna Sonone under the guidance of Guidance of Dr. U. S. Desai at Modern College of Pharmacy, Nigdi, Pune- 411044.

Date: 216123

Place: Nigadi, Pune.

Dr. P. D. Chaudhari

(Principal)

Sector No

Pune - 411 044.

n College of Pharmacy , Yamunanagar, Nigdi,





FORMULATION AND EVALUATION OF MEDICATED HERBAL CHEWING GUM FOR MOUTH INFECTION

Thesis submitted to
THE FACULTY OF PHARMACEUTICAL SCIENCES
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE.



By Mr. AJINKYA ANIL SARVADE

For the award of degree
BACHELOR OF
PHARMACY

UNDER THE GUIDANCE OF

Dr. U. S. Desai (M. Pharm, PhD)

Assistant professor
(Dept. of pharmaceutics)

DEPARTMENT OF PHARMACEUTICS

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE - 44. (ACCREDITED BY NAAC)

(2022 - 2023)









SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

I Mr. Ajinkya Anil Sarvade declare that the thesis entitled, "Formulation and evaluation of medicated herbal chewing gum for mouth infection, submitted by me for degree of 'Bachelor of Pharmacy' is the record of work carried out by me under the guidance of Dr. U.S. Desai and has not formed the basis for the award of any degree or Diploma or Other titles in this or any other University.

Date: 3/6/23

Place: Nigdi, Pune.

Mr. Ajinkya Sarvade

No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation and evaluation of medicated herbal chewing gum for mouth infection" submitted for degree of Bachelor of Pharmacy, is the record of research work carried out by her under my guidance and supervision and that this has not formed the basis for the award of any degree or diploma or other titles in this or any other University.

Date: 3 | 6 | 23

Place: Nig di, Pune

Dr. U. S. Desai (M. Pharm, PhD)

Research Guide

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





P. E. Society's MODERN COLLEGE OF PHARMACY Nigdi, Pune-44.



ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitled, "Formulation and evaluation of medicated herbal chewing gum for mouth infection" is a record of bonafide research work carried out by Mr. Ajinkya Anil Sarvade under the guidance of Dr. U. S. Desai at Modern College of Pharmacy, Nigdi, Pune - 411044.

Date: 3/6/23

Place: Pune

Dr. P.D. Chaudhari

(Principal)

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"Formulation Development And Evaluation Of Herbal Sunscreen Lotion"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Shrinath Waghmare

Harshita Waghmode

Sarvesh Yeole

(B. Pharm)

UNDER THE GUIDANCE OF

Prof. Shivraj Mane

(M. Pharm)

DEPARTMENT OF PHARMACEUTICS

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)









SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We Shrinath Waghmare, Harshita Waghmode & Sarvesh Yeole declare that the thesis entitled formulation development and evaluation of herbal sunscreen lotion" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Prof. Shivraj Mane and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 10-6-23

PLACE: pune

College or Annual State of Ann

Shrinath Waghmare Harshita Waghmode

Sarvesh Yeole

Principal

E. S. Medern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Prof. Shivraj Mane

Assistant Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "formulation development and evaluation of herbal sunscreen lotion" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Shrinath Waghmare, Ms.Harshita Waghmode and Mr. Sarvesh Yeole under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 10-6-23

PLACE: Pune

Prof. Shivraj Mane

(Assistant Professor)

8. Modern College of Pharmacy iector No.21, Yamunanagar, Nigdi, Pune - 411 044.







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D.Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44 Ex-Deans, Faculty of Pharmaceutical Sciences Savitribai Phule Pune University, Pune

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "formulation development and evaluation of herbal sunscreen lotion" is a record of bonafide research work carried out by Mr. Shrinath Waghmare, Ms. Harshita Waghmode and Mr. Sarvesh Yeole under the guidance of **Prof. Shivraj Mane** at P.E.S Modern College of Pharmacy Nigdi, Pune

DATE: 10-6-23

PLACE: pune

Dr. P.D. Chaudhari

(Principal)

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"THE FORMULATION, EVALUATION AND OPTIMIZATION OF ANTIFUNGAL UFASOMAL GEL"

Project report submitted to
The Faculty of
PHARMACEUTICAL SCIENCE
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms. Patil Utkarsha Chaitanya, Ms. Shinde Snehal Santosh and Ms. Pawar Nikita Ganpat. (B. Pharm) (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Mr. Rohit M Gurav.

Department of Pharmaceutics



Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)



Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Ms. Patil Utkarsha Chaitanya, Ms. Shinde Snehal Santosh and Ms. Pawar Nikita Ganpat, declared that the thesis entitled "THE FORMULATION, EVALUATION AND OPTIMIZATION OF ANTIFUNGAL UFASOMAL GEL" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of by Mr. Rohit M Gurav and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/6/23

Place: Nigdi, Pune

Ms. Patil Utkarsha Chaitanya. (UPoli)

Ms. Shinde Snehal Santosh. Snehal.

Ms. Pawar Nikita Ganpat. H. Powar .

Sector No.21, Yamunanagar, Nigdi,







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the thesis entitled, "THE FORMULATION, EVALUATION AND OPTIMIZATION OF ANTIFUNGAL UFASOMAL GEL" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Patil Utkarsha Chaitanya, Ms. Shinde Snehal Santosh and Ms. Pawar Nikita Ganpat under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: |4|6|23

Place: Nigdi Pune

Mr. Rohit M Gurav.

Dept. of Pharmaceutics.

P.E. S. Modern College of Pharmacy Spetor No.21, Yamunanagar, Nigdi,







Progressive Education Society's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "THE FORMULATION, EVALUATION AND OPTIMIZATION OF ANTIFUNGAL UFASOMAL GEL" is a record of bonafide research work carried out by Ms. Patil Utkarsha Chaitanya, Ms. Shinde Snehal Santosh and Ms. Pawar Nikita Ganpat under the guidance of Mr. Rohit M Gurav. at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 14/6/23

Place: Nigdi, Pune-44

Dr. P.D. Chaudhari Principal

P.E. S Modern College of Pharmacy,

Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences. Savitribai Phule Pune University Pune.





ACKNOWLEDGEMENT

I am thankful to Dr. P. D. Chaudhari, Principal of PES's Modern College of Pharmacy for providing excellent library and internet facilities. I take this opportunity to express my sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Prof. Mr. Rohit M Gurav for extending her valuable guidance, instructions and timely support without which this project would not have assumed its shape.

I would like to thank Assistant Librarian of Modern College of Pharmacy and other nonteaching staff members for extending their support in providing all kinds of reference books whenever possible. I am grateful to all teaching and non-teaching staff of the college for their kind of co-operation extended from time to time.

I express my deep sense of gratitude towards my parents for their constant support and valuable help throughout this work.

Place: Nigdi, Pune-44

Date: 14/6/23



Ms. Patil Utkarsha Chaitanya. Who Ms. Shinde Snehal Santosh Snehal Ms. Pawar Nikita Ganpat. N. Powar (Final year B. Pharm)





"Formulation and Evaluation of Antiaging and Anti-acne herbal scrub based facewash.

Final Year B-Pharm Project Report Submitted to

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Mr.Shubham B. Vanve

Mr. Ajay kumar patel

Miss. Harshali sonwane

(B. Pharm)

Under the Guidance of Miss. Priyanka Bagade

DEPARTMENT OF PHARMACEUTICS

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune -411044

(2022-2023)

Formulation and Evaluation of Anti aging and Anti-acne herbal scrub based facewash.

scrub based facewash.





(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Mr. Shubham B. Vanve declares that the thesis entitled. "Formulation and Evaluation of Anti aging and Anti-acne herbal scrub based facewash. submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Miss.Priyanka Bagade and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.



Mr. Ajaykumar patel Aputel

Ms. Harshali sonwane Quan

Date: 10-6-23

herbal scrub based facewash.

Place: Nigdi, Pune

Mr. Shubham B. Vanve

Formulation and Evaluation of Anti aging and Anti-acne







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by the Guide

This is to certify that the thesis entitled, "Formulation and Evaluation of Anti aging and Anti-acne herbal scrub based facewash" submitted for degreeof bachelor of pharmacy, is the record of research work carried out by Mr. Shubham B. Vanve under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 10-6-23

Place: Nigdi, PUNE

Miss.Priyanka Bagade

(Assistant professor)

Department of Pharmaceutics PES'S Modern College of Pharmacy, Nigdi, Pune-44

Formulation and Evaluation of Anti aging and Anti-acne herbal scrub based facewash.

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

Stanned with ComScions







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled. "Formulation and Evaluation of Anti aging and Anti-acne herbal scrub based facewash" is a record of bonafide research work carried out by Mr. Shubham B. Vanve under the guidance of at Miss. Priyanka Bagade P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 10-6-23

Dr. P. D. Chaudhari Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Formulation and Evaluation of Anti aging and Anti-acne herbal scrub based facewash.

Sector No.21, Tamenand Pune - 411 044.

Scanned with ComScorne





"Formulation Development and Evaluation of Diclofenac Sodium Gel by using HPMC"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Tanmay Satkar

Raviraj Shinde

Ashish Shinde

(B. Pharm)

UNDER THE GUIDANCE OF

Ms. Alka Bhure

(M. Pharm)

DEPARTMENT OF PHARMACEUTICS

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)











PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Ms. Alka Bhure

Assistant Professor

Department of Pharmaceutics

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Formulation Development and Evaluation of Diclofenac Sodium Gel by using HPMC's ubmitted for degree of bachelor of pharmacy, is the record of research work carried out by Mr. Tanmay Satkar, Mr. Raviraj Shinde and Mr. Ashish Shinde under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 13-05-2013

Place: Nigdi, Pune.

Ms. Alka Bhure
(Assistant Professor)







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences

Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Formulation Development and Evaluation of Diclofenac Sodium Gel by using HPMC' is a record of bonafide research work carried out by Mr. Tanmay Satkar, Mr. Raviraj Shinde and Mr. Ashish Shinde under the guidance of Ms. Alka Bhure at P.E.S Modern College of PharmacyNigdi, Pune

Date: 23-05-20 23

Place: Nigdi Pune

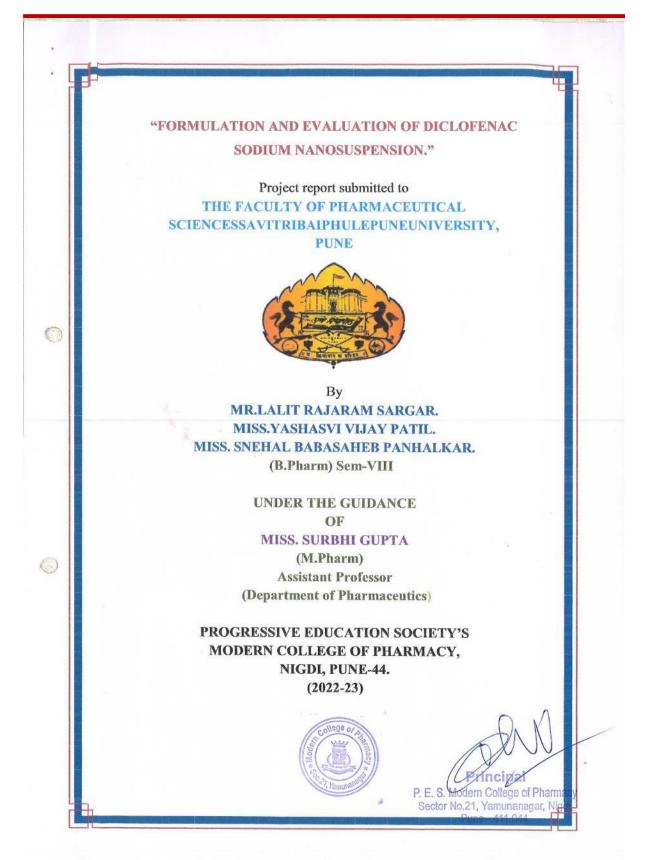
Dr. P. D. Chaudhari

(Principal)

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,











(BEST COLLEGE AWARDED BY SAVITRIBAI PHULE PUNEUNIVERSITY)

SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We, Mr. Lalit Rajaram Sargar, Miss. Yashasvi Vijay Patil, Miss. Snehal Babasaheb Panhalkar, declare that the thesis entitled, "FORMULATION AND EVALUATION OF DICLOFENAC SODIUM NANOSUSPENSION." submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Miss. SURBHI GUPTA and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

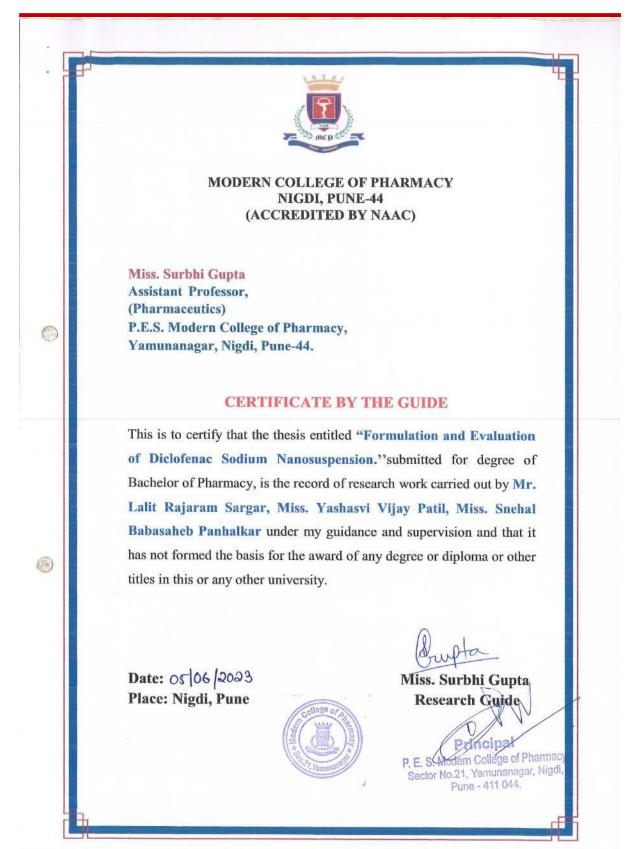
Date: 05/06/2023

Place: Nigdi, Pune

Mr. Lalit R. Sargar Miss. Yashasvi V. Patil Miss. Snehal B. Panhalkar

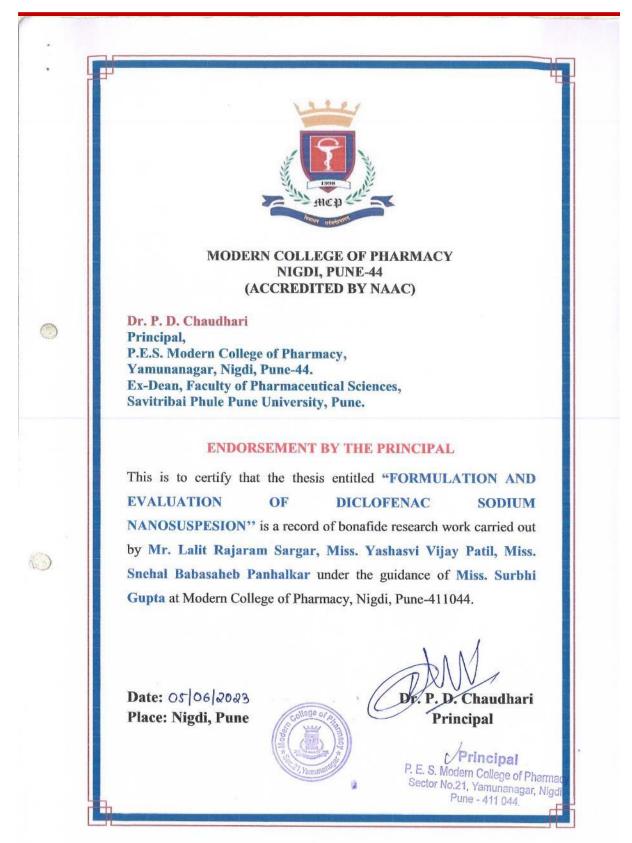
















"EVALUATION OF *In-vitro* ANTHELMINTIC ACTIVITY OF HERBL EXTRACTS"

Project report submitted to

The Faculty of

PHARMACOLOGY

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Ms.Shital Susar, Mr. Naveed Syed, Mr.Samadhan Tupe (B. Pharm) (Semester-VIII)

In partial fulfillment of the requirements for the degree of

Bachelor of Pharmacy

Under the Guidance of

Dr. P.S. Kore

Department of Pharmacology



Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune-44

(Accredited by NAAC and NBA)







SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We are Ms. Ms.Shital Susar, Mr. Naveed Syed, Mr.Samadhan Tupe declared that the thesis entitled "EVALUATION OF in vitro ANTHELMINTIC ACTIVITY OF HERBAL EXTRACT" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of by Dr. P.S. Kore and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14/06/2023

Place: Nigdi, Pune

Ms. Susar Shital

Mr. Naveed Syed

Mr. Samadhan Tupe

College or of the state of the







Progressive Education Society's Modern College of Pharmacy Nigdi,
Pune-44
(Accredited by NAAC and NBA)

Certificate by Guide

This is to certify that the thesis entitled, " EVALUATION in vitro ANTHELMINTIC ACTIVITY OF HERBAL EXTRACT" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Susar Shital, Mr.Naveed Syed and Mr. Samadhan Tupe under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: |4 | 06 | 20 23

Place: Nigdi Pune

College of Jamunania

Dr.P.S. Kore

Dept. of Pharmacology.

Modern College of Pharmacy No.21, Yamunanagar, Nigdi, Pune - 411 044.

(





Progressive Education Society's Modern College of Pharmacy Nigdi,
Pune-44
(Accredited by NAAC and NBA)

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entil. EVALUATION OF in vitro ANTHELMINTIC ACTIVITY OF HERBAL EXTRACT is a record of bonafide research work carried out by Ms.Susar Shital, Mr. Navced Syed and Mr. Samadhan Tupe under the guidance of Dr.P.S.Kore at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 14/06/2023

Place: Nigdi, Pune-44

Dr. P. D. Chaudhari Principal

P.E. S Modern College of Pharmacy, Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmacology, Savitribai Phule Pune University, Pune.





ACKNOWLEDGEMENT

I am thankful to Dr. P. D. Chaudhari, Principal of PES's Modern College of Pharmacy for providing excellent library and internet facilities. I take this opportunity to express my sincere gratitude to principal of Modern college of Pharmacy Dr. P. D. Chaudhari, and my project guide Prof. Dr.P.S. Kore for extending her valuable guidance, instructions and timely support without which this project would not have assumed its shape.

I would like to thank Assistant Librarian of Modern College of Pharmacy and other nonteaching staff members for extending their support in providing all kinds of reference books whenever possible. I am grateful to all teaching and non-teaching staff of the college for their kind of co-operation extended from time to time.

I express my deep sense of gratitude towards my parents for their constant support and valuable help throughout this work.

Ms. Susar Shital

Mr. Naveed Syed

Mr. Samadhan Tupe

No.21, Yamunanagar, Nigdi, Pune - 411 044.

Final year B. Pharm)

Place: Nigdi, Pune-44

Date: 14/06/2023

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044





"Awareness and Assessment of Risk Factors Associated with Breast Cancer Among Indian Women: A Questionnaire Survey"

Δ

PROJECT REPORT
SUBMITTED TO THE
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



SUBMITTED BY

Neha Pandit

Pratik Suryawanshi

Prasenjit Sarwade

UNDER THE GUIDANCE OF

Mr. Prashant Pawar

(M.Pharm)

DEPARTMENT OF PHARMACOLOGY

Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)



P. E. Modern College of Pharmacy
Awareness and Assessment of Risk Factors Associated with Breast Cancer Among Indian Womento Advestionnaire Survey gar, Nigdi,
Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERCITY



DECLARATION

We are Miss. Neha Pandit, Mr. Pratik Suryawanshi and Mr. Prasenjit Sarwade declared that the thesis entitled "Awareness and Assessment of Risk Factors Associated with Breast Cancer Among Indian Women: A Questionnaire Survey" submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Mr. Prashant Pawar and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Neha Pandit

Pratik Suryawanshi

Pune - 411 044.

Prasenjit Sarwade Beseu

21, Yamunanagar, Nigdi,

Awareness and Assessment of Risk Factors Associated with Breast Cancer Among Indian Women: A Questionnaire Survey







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Mr. Prashant Pawar

Assistant Professor

Department of Pharmacology

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled, "Awareness and Assessment of Risk Factors Associated with Breast Cancer Among Indian Women: A Questionnaire Survey" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Neha Pandit, Pratik Suryawanshi and Prasenjit Sarwade under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 06 | 06 | 2023

Place: Nigdi, Pune

College of Stamman

Mr. Prashant Pawar

(Assistant Professor)

P. E. S/Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

Awareness and Assessment of Risk Factors Associated with Breast Cancer Among Indian Women: A Questionnaire Survey







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E.S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Awareness and Assessment of Risk Factors Associate with Breast Cancer Among Indian Women: A Questionnaire Survey" is a record of bonafide research work carried out by Neha pandit, Pratik Suryawanshi and Prasenjit Sarwade under the guidance of Mr. Prashant Pawar at P.E.S Modern College of Pharmacy Nigdi, Pune.

Date: 06-06-2023

Place: Nigdi, Pune

Dr. P. D. Chaudhari (Principal)

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Awareness and Assessment of Risk Factors Associated with Breast Cancer Among Indian Women: A Questionnaire Survey





"DEVELOPMENT AND VALIDATION OF HPTLC METHOD FOR ESTIMATION OF DEFERIPRONE IN BULK AND MARKETED FORMULATION"

Project report submitted to

THE FACULTY OF PHARMACEUTICAL SCIENCES SAVITRIBA IPHULE PUNE UNIVERSITY, PUNE



Ву

MR.SAURAV PAWAR MISS. SHRADDHA RAUT MISS.SHWETA SARNE

(Bachelors of Pharmacy) Sem-VIII

UNDER THE GUIDENCE OF

Mrs. PRIYANKA SARDA

(M.Pharm)

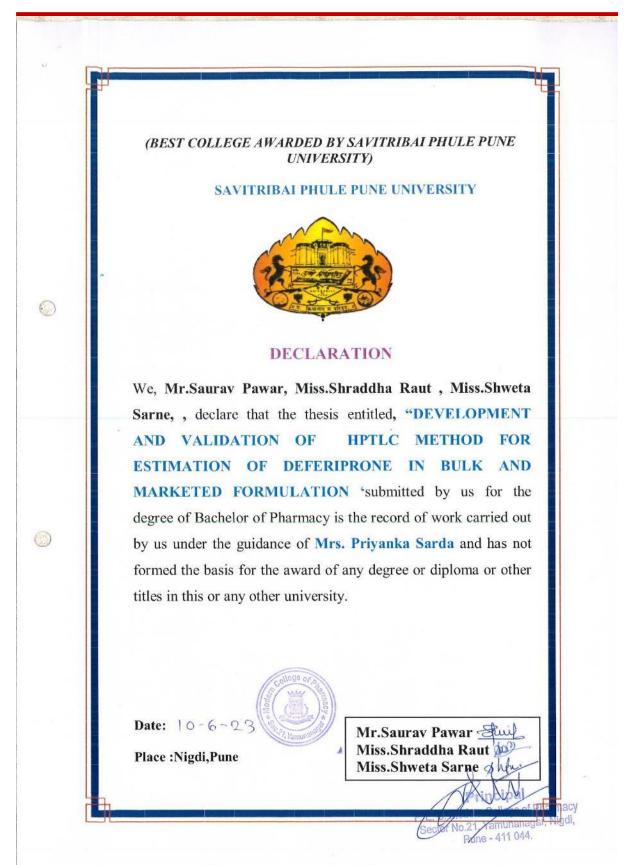
Assistant Professor(Dept.ofPharmacology)

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE – 44. (2022-23)



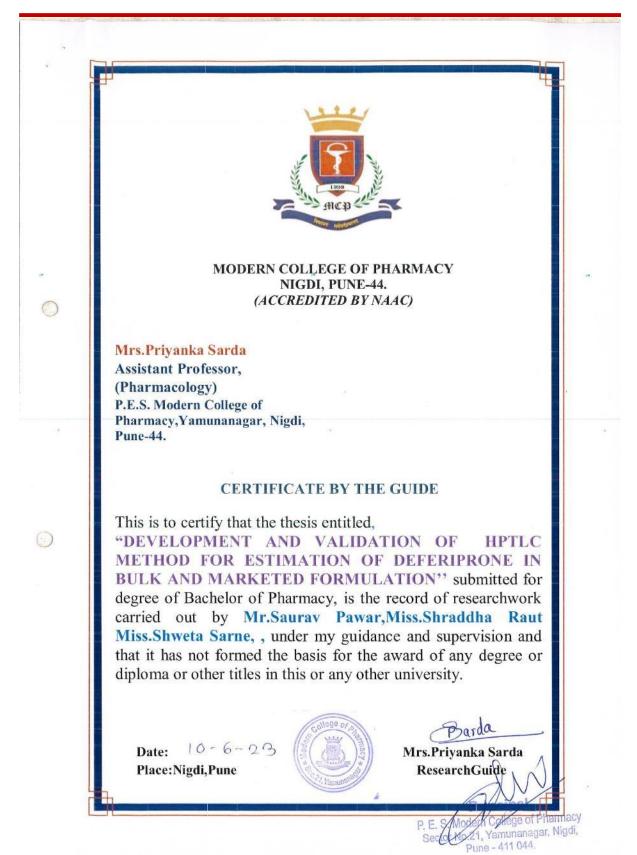


















MODERN COLLEGE OF PHARMACYNIGDI,PUNE-44. (ACCREDITED BY NAAC)

Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of
Pharmacy, Yamunanagar, Nigdi,
Pune-44.
Ex-Dean, Faculty of Pharmaceutical
Sciences, Savitribai Phule Pune University, Pune

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the thesis entitles, "DEVELOPMENT AND VALIDATION OF HPTLC METHOD FOR ESTIMATION OF DEFERIPRONE IN BULK AND MARKETED FORMULATION" is a record of bonafide research work carried out by .Mr.Saurav Pawar, Miss.Shraddha Raut ,Miss.Shweta Sarne, , under the guidance of Mrs. .Priyanka Sarda at Modern College of Pharmacy, Nigdi, Pune-411044.

Date: 10-6-23

Place:Nigdi,Pune

Or.P.D.Chaudhari Principal

> E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,





"Assessment Of Clinical Profile Data and Treatment Pattern Of Guillian-Barre Syndrome(GBS)"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Ms. Nikita Salunke

Ms. Priyanka Tandlekar

Mr. Deven Ukirde

(B. Pharm)

UNDER THE GUIDANCE OF

Mrs. Snehal Shelke

(M. Pharm)

DEPARTMENT OF PHARMACOLOGY

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

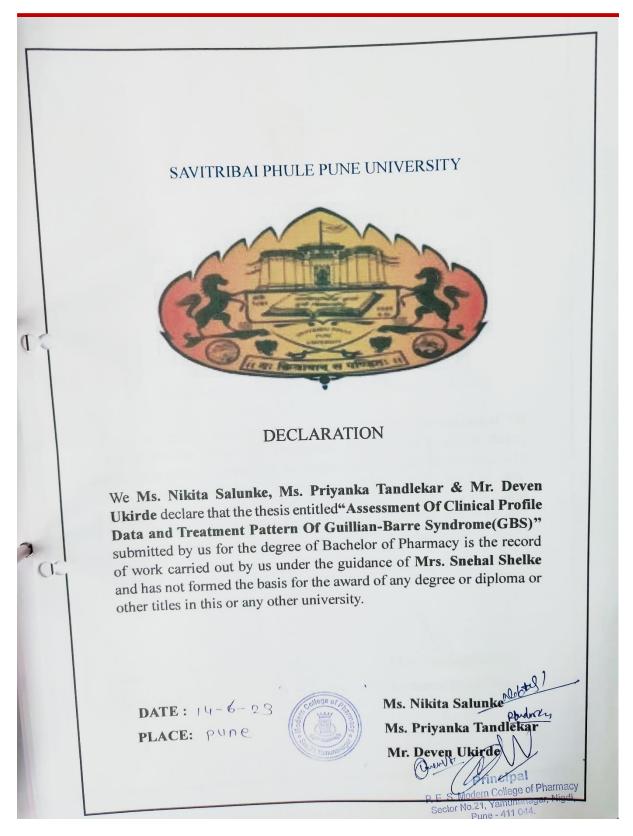
(Accredited by NAAC and NBA)



College of One













PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Mrs. Snehal Shelke

Assistant Professor

Department of Pharmacology

PES's Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the dissertation entitled, "Assessment Of Clinical Profile Data and Treatment Pattern Of Guillian-Barre Syndrome(GBS)" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Nikita Salunke, Ms. Priyanka Tandlekar and Mr. Deven Ukirde under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 14-06-23

Place: Nigdi-Pune.

Collede ol oliver

Mrs. Snehal Shelke

(Assistant Professor)







P.E.S's Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D. Chaudhari

Principal

P.E.S's Modern College of Pharmacy Nigdi, Pune – 44

Ex-Deans, Faculty of Pharmaceutical Sciences
Savitribai Phule Pune University, Pune.

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Assessment Of Clinical Profile Data and Treatment Pattern Of Guillian-Barre Syndrome(GBS)" is a record of bonafide research work carried out by Ms. Nikita Salunke, Ms. Priyanka Tandlekar and Mr. Deven Ukirde under the guidance of Mrs. Snehal Shelke at P.E.S's Modern College of PharmacyNigdi, Pune

Date: 14-66-23

Place: Nigdi-Phru.

(Principal)





"Assessment of Knowledge and Awareness about Drug Food Interactions among General Public in India: A questionnaire survey"

A PROJECT REPORT SEM VIII SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Submitted by

Madhavi Vikharankar

Rutuja Wayal

Adwait Tole

(B. Pharm)

UNDER THE GUIDANCE OF

Prof. Swateja Bhosale

(M. Pharm)

DEPARTMENT OF PHARMACOLOGY

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)









SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION

We Madhavi Vikharankar, Rutuja Wayal & Adwait Tole declare that the thesis entitled Assessment of Knowledge and Awareness about Drug-Food Interactions among General Public in India: A questionnaire survey submitted by us for the degree of Bachelor of Pharmacy is the record of work carried out by us under the guidance of Prof. Swateja Bhosale and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 2-6-23

PLACE: pune

Madhavi Vikharankar-Rutuja Wayal (2009)

Adwait Tole-Atols

 λ

ES Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,







PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

Prof. Swateja Bhosale

Assistant Professor

Department of Pharmacology

PES'S Modern College of Pharmacy Nigdi, Pune-44

CERTIFICATE BY THE GUIDE

This is to certify that the thesis entitled "Assessment of Knowledge and Awareness about Drug-Food Interactions among General Public in India: A questionnaire survey" submitted for degree of bachelor of pharmacy, is the record of research work carried out by Ms. Madhavi Vikharankar, Ms. Rutuja Wayal and Mr. Adwait Tole under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

DATE: 2-6-23

PLACE: Pune

Prof. Swateja Bhosale

(Assistant Professor)

P. E.S. Medern Cottege of Pharmacy Sector-No.21, Yamunanagar, Nigdi,







P.E.S Modern college of pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Dr. P. D.Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44 **Ex-Deans, Faculty of Pharmaceutical Sciences**

Savitribai Phule Pune University, Pune

Endorsement by the Principal

This is to certify that the partial research work for the dissertation entitled "Assessment of Knowledge and Awareness about Drug-Food Interactions among General Public in India: A questionnaire survey" is a record of bonafide research work carried out by Ms. Madhavi Vikharankar, Ms. Rutuja Wayal and Mr. Adwait Tole under the guidance of Prof. Swateja Bhosale at P.E.S Modern College of Pharmacy Nigdi, Pune

DATE: 2-6-23

PLACE: Pune

Chaudhari

(Principal)

College of Pharmacy Section No.21, Yamunanagar, Nigdi,









Final Year B-Pharm Project Report Submitted to

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



By

Mr. Shivhar B. Shete , Ms. Shraddha D. Shingade and Mr. Nikhil R. Waghire

Under the Guidance of

Mrs. Suvarna A. Vadje

M. Pharm.

Assistant Professor

DEPARTMENT OF PHARMACOGNOSY

Progressive Education Society's

Modern College of Pharmacy, Nigdi, Pune-411044

(2022-2023)

(Accredited by NAAC and NBA)











We are Mr. Shivhar Shete, Ms. Shraddha Shingade and Mr. Nikhil Waghire hereby declare that the thesis entitled "Comparative evaluation of herbal lip balms developed using various natural bases" and submitted by us for the degree of bachelor of pharmacy and the record of work carried out by us under the guidance of Mrs. Suvarna A. Vadje and has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 8 06 23

Place: Nigdi, Pune

Mr. Shivhar B. Shete thele

Ms. Shraddha D. Shingade Shraddha

Mr. Nikhil R. Waghire

P. E. J. Modern College of Pharmacy Sector Wo.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Certificate by the guide

This is to certify that the thesis entited, "Comparative evaluation of herbal lip balms developed using various natural bases" submitted for the degree of bachelor of pharmacy, is the refer of research work carried out by Mr. Shivhar Shete, Ms. Shraddha Shingade and Mr. Nikhil Waghire under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 08 06 2023

Mrs. Suvarna A. Vadje

Place: Nigdi, Pune (M.Pharm)

Department of Pharmacognosy

PES's Modern College of Pharmacy,

Nigdi, Pune-44

P. E. S. Medern College of Pharmacy Sector No.21, Yernunanagar, Nigdi, Pune - 411 044.







PES's Modern College of Pharmacy, Nigdi, Pune-44 (Accredited by NAAC and NBA)

Endorsement by the principal

This is to certify that the partial research work for the dissertation entitled "Comparative evaluation of herbal lip balms developed using various natural bases" is a record of bonafide research work carried out by Mr. Shivhar B. Shete, Ms. Shraddha D. Shingade and Mr. Nikhil R. Waghire under the guidance of Mrs. Suvarna A. Vadje at P.E.S Modern college of Pharmacy Nigdi, Pune.

Date: 08/06/23

College of Diagrams

Chaudhari Principal

P.E.S Modern College of Pharmacy

Nigdi, Pune- 44

Ex- Dean, Faculty of Pharmaceutical Scienes,

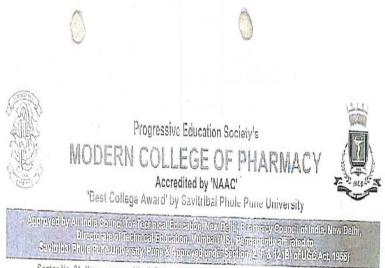
Savitribai Phule Pune University, Pune.

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





Fifth Year Pharm-D Research Project work



Sector No. 21, Yamunanagar, Nigdi. Pune - 411 044. (M.S.) Tel.: 020-27661315 Fax: 020-27661314 E-mail: mcopnigdi44@gmail.com Website: www.mcop.org.in

Grp No.	Name of the Students	Title of the Study	Name and Details of the Principal Investigator	Name and Details of the Guides	Department (DMH) for Conducting Study
1,	Ms. PratikshaBhoite Mr. SwapnilGhatule Mr. AtharvaNanday Mr. SumeetUdawant	Study of Onset Time. Risk Factors. and Prescription Pattern in Patients with Stroke.	Dr. Rahul Kulkarni; M.B.B.S. M.D. (Medicine). D.M. (Neurology). D.N.B (Neurology). FAAN Department of Neurology, DMHRC	Dr. Rajani Mali Pharm. D. Assistant Professor Department of Doctor of Pharmacy. Modern College of Pharmacy.	Department of Neurology. DMHRC, Pune.
2.	Ms. AparnaAwhad Ms. DivyaHagawane Ms. MuskanRadhanpura Mr. Pranav Yelamkar	Assessment of Anti- Microbial agent usage pattern as per the given susceptibility testing report.	Dr. Ashwini Joshi, Consultant. M.B.B.S.D.N.B. (Medicine), CCEBDM D.N.B. (Medicine) Department of General Medicine, DMHRC	Dr. MayuriKhaparde Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy.	Department of General Medicine, DMHRC, Pune.
3.	Ms. RachitaRanasubhe Mr. SanketTalegaonkar Ms. Saloni Yadav Ms. JagrutiYenpure	To study incidence, cost analysis and drug utilization pattern of anticoagulants in patient with VTE.	Dr. NarendraJavadekar :M.B.B.S.M.D.(Medicine), D.N.B.(Medicine), M.A.(Economics) Department of General Medicine, DMHRC	Dr. Rajani Mali Pharm. D. Assistant Professor Department of Pharmacy Practice. Modern College of Pharmacy.	Department of General Medicine, DMHRC, Pune.



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





4.	Ms. Shweta Kendre Mr. Shiva Khanal Ms. Pranali Mahajan Ms. ShraddhaNachane	Assessment of drugs dose adjustment in chronic kidney disease patients in tertiary care hospital.	M.D. (Medicine), D.N.B.	Dr. RohiniChavan Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College	Department of Nephrology DMHRC, Pune.
5,	Ms. SukshamtaBalure Mr. SatyawanKumbhar Mr. AkashMahamuni Ms. SujataThokal	To design, develop and validate the screening tool for minimizing prescription error in neonates.	Dr. ShilpaKalane; M.B.B.S., D.N.B (Pediatrics).	of Pharmacy. Dr. MayuriKhaparde Pharm. D. Assistant ProfessorDepartment of Pharmacy Practice,	Department of Neonatolog DMHRC. Pune.
6.	Ms. VaishnaveeDeshmukh Mr. Gaurav Memane Ms. VaishnaviPanchariya Mr. VedantPatil	Design, development and validation of screening tool for IV medications incompatibility in neonates.	Dr. ShilpaKalane; M.B.B.S., D.N.B (Pediatrics), Dr.N.B. (Neonatology),	Dr. SunitaPawar M. Pharm (Pharmacy Practice), PhD Associate Professor, Head of Department of Pharmacy Practice, Modern College of Pharmacy.	Department of Neonatolog DMHRC. Pune.
7.	Ms. VaishnaviChavan Mr. HarshalJadhav Ms. PranaliKumbhar Mr. Shubhamshewale	To evaluate the drug utilization and analysis of antiepileptic drugs at tertiary care hospital	Dr. Rahul Kulkarni; M.B.B.S. M.D. (Medicine), D.M. (Neurology), D.N.B (Neurology). FAAN Department of Neurology, DMHRC	Dr. Anjali Kumbhar Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy.	Department of Neurology. DMHRC. Pune.
8.	Mr. Nitesh Agrawal Ms. ShrutiAkhade Mr. ShubhamKudale Ms. AshwiniVare	Development Of The Mobile Application For Digital Literacy Related To Cardiovascular Risk Factors In Sociological Factors.	Mr. Nitesh Agrawal Ms. ShrutiAkhade Mr. ShubhamKudale Ms. AshwiniVare	Mr. Siddhartha Savdekar M. Pharm (Pharmacy Practice) Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy.	Community Health Organisations Principal E. S. Modern College of Pharm Sector No.21, Yamunanagar, Nig

0

0

9	Mr. Abhishek Khaire
	Ms. Esha Patel
	Ms. SumedhaSavane
177	NAME AND ASSOCIATION OF STREET

Assessment of drug related problems among cervical cancer patients.

Dr. AsmaPathan M.B.B.S M.D. (Medical Oncologist) Indrayani Hospital and Cancer Institute Alandi, Pune Dr. Anjali Kumbhar Pharm. D. Assistant Professor Department of Pharmacy Practice, Modern College of Pharmacy. Department of Oncology Indrayani Hospital and Cancer Institute Alandi Pune.

Head of Department Dr. Sunita Pawar (Pharm D)

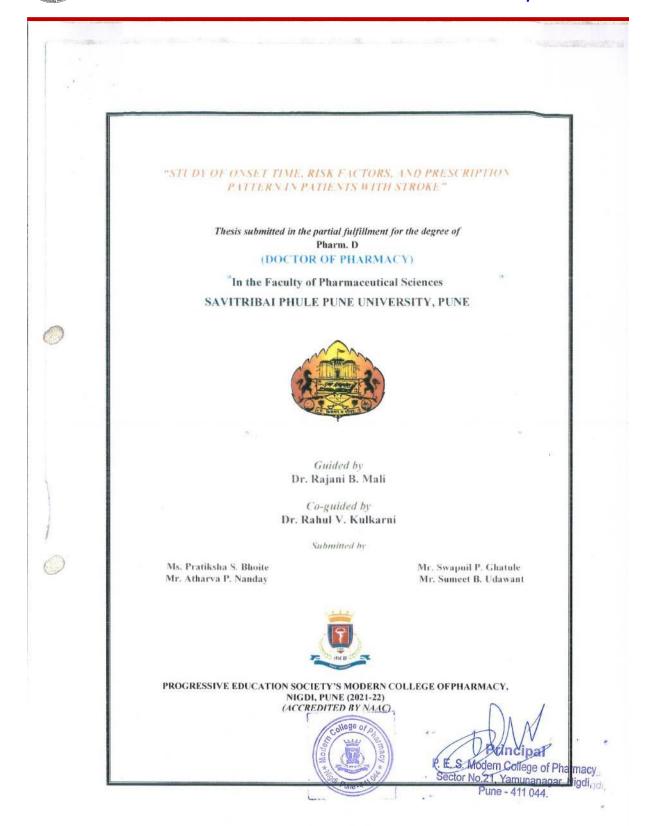


Principal br. P. D. Chadhari PES's College of Pharmacy, Nigdi, Pune

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdl,
Pune - 411 044.









"STUDY OF ONSET TIME, RISK FACTORS, AND PRESCRIPTION PATTERN IN PATIENTS WITH STROKE"

LETTER OF APPROVAL

The topic has been discussed and approved by the departmental faculty members.

Dr. P. D. Chaudhari Principal, Professor and Head, Pharm. D. Programme

Dr. S. B. Pawar Head & Associate Professor

(ele

Department of Clinical Pharmacy

Dr. R. P. Chavan Assistant Professor, Department of Clinical Pharmacy

Dr. M. S. Khaparde Assistant Professor, Department of Clinical Pharmacy, Dr. A. R. Kumbhar Assistant Professor, Department of Clinical Pharmacy

Dr. R. B. Mali Assistant Professor, Department of Clinical Pharmacy

Mr. S. R. Savadekar Assistant Professor Department of Clinical Pharmacy

> P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigili, Pune - 411 044.





Dr. R. B. Mali,

Assistant Professor P.E.S. Modern College of Pharmacy Nigdi, Pune-44.



PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44

(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: MCOP, Nigdi

Dr. R. B. Mali (Pharm. D)

Assistant Profes Research Guide

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44.
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" for Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under the guidance of Dr. R. B. Mali at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023

Place: MCOP, Nigdi



Dr. P. D. Chaudhari
Printedipal
P. E. Society's
Modern College of Pharmar.
Nigdi, Pune 411 J44





Dr. R. V. Kulkarni,

MBBS M.D. (Medicine), D.M. (Neurology), D.N.B. (Neurology), Honorary Consultant, Department of Neurology Deenanath Mangeshkar Hospital and Research Center Pune



MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

CERTIFICATE BY CO- GUIDE

This is to certify that the thesis entitled "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by, Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: DMHRC, Pune

fr. R. V. Kulkarni [MBBS, MD D.N.B. (Neurology)] Honorary Consultant, Research Co-Guide

Dr. Rahul Kulkarni

Reg. No

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Dr. S. B. Pawar

Associate Professor.

Head of the Department of Clinical
Pharmacy
P.E.S. Modern College of Pharmacy,
Yamunanagar, Nigdi, Pune- 44.

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT =

This is to certify that the research presented in this thesis entitled, "Study of Onset Time, Risk Factors, and Prescription Pattern in Patients with Stroke" for Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Pratiksha S. Bhoite, Mr. Swapnil P. Ghatule, Mr. Atharva P. Nanday, and Mr. Sumeet B. Udawant under the guidance of Dr. R. B. Mali at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023

Place: MCOP, Nigdi

Dr. S. B. Pawar Associate Professor/ HOD of Chinical Pharmacy

Principal

P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.











DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "STUDY OF ONSET TIME. RISK FACTORS, AND PRESCRIPTION PATTERN IN PATIENTS WITH STROKE" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. R. B. Mali, Assistant Professor, PES's Modern College of Pharmacy. Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023

Place: MCOP, Nigdi

Treates

Ms. Pratiksha S. Bhoite

Mr. Swapnil P. Ghatule

Mr. Atharya P. Nanday

Mr. Sum

P. E. & Modern College of Pharmacy Sector No.21, Yamunanagar, Ni idi, Pune - 411 044.





"Assessment of Anti-Microbial Agent Usage Pattern as Per the Given Susceptibility Testing Report"

> Thesis submitted in the partial fulfillment for the degree of Pharm. D

> > (DOCTOR OF PHARMACY)

In the faculty of pharmaceutical sciences
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by Dr. Mayuri Khaparde

> Co-guided by Dr. Ashwini Joshi

> > Submitted by

Ms. Divya Hagawane Ms. Aparna Awhad

Ms. Muskan Radhanpura Mr. Pranav Yelamkar



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE (2022-23)

(ACCREDITED BY NAAC)

Principal

P. E. S. Medern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





"Assessment of Anti-Microbial Agent Usage Pattern as Per the Given Susceptibility Testing Report"

LETTER OF APPROVAL

The topic has been discussed and approved by the departmental faculty members.

Dr. S. B. Pawar Head & Associate Professor Department of Clinical Pharmacy Dr. A. R. Kumbhar Assistant Professor Department of Clinical Pharmacy

Dr. R. P. Chavan Assistant Professor Department of Clinical Pharmacy

Dr. M. S. Khaparde Assistant Professor, Department of Clinical Pharmacy Assistant Professor Department Clinical Pharmacy

Dr. R. B. Mali

Mr. S. R. Savadekar Assistant Professor Department of Clinical Pharmacy

The state of the s

P.E. S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigur,

Pune - 411 044.





CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Divya Hagawane, Miss Muskan Radhanpura, Miss Aparna Awhad and Mr. Pranav Yelamkar under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 9/6/2023

Place: Nigdi

Dr. Mayuri Khaparde

(Pharm. D) Assistant Professor Project Guide



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







CERTIFICATE BY CO- GUIDE

This is to certify that the thesis entitled "Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by, Ms. Divya Hagawane, Miss Muskan Radhanpura, Miss Aparna Awhad and Mr. Pranav Yelamkar under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 9 6 2023

Place: Nigdi, Pune

Dr Ashwini Joshi

MBBS D.N.B. (MEDICINE),
Certificate Course in Evidence Based
Diabetes Management
(CCEBDM D.N.B. (MEDICINE)

Project Co-Guide



Principal
R.E.S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.









Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy,
Yamuna Nagar, Nigdi, Pune- 44.
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report" for Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Divya Hagawane, Miss Muskan Radhanpura, Miss Aparna Awhad and Mr. Pranav Yelamkar under the guidance of Dr. Mayuri Khaparde at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-23.

Date: 9 6 2025

Place: Nigdi



Modem Childer of Pharmacy Yamunanayar Section 20,21







Dr. S. B. Pawar

Associate Professor, Head of the Department of Clinical Pharmacy P.E.S. Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 44.

ENDORSEMENT BY THE HEAD OF THE DEPARTEMENT

This is to certify that the research presented in this thesis entitled, "Assessment of Anti-Microbial agent usage pattern as per the given susceptibility testing report" for Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Divya Hagawane, Miss Muskan Radhanpura, Miss Aparna Awhad and Mr. Pranav Yelamkar under the guidance of Dr. Mayuri Khaparde at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-23.

Date: 9/6/2023

Place: Nigdi

Dr. S. B. Pawar

Head and Assistant Professor

Department of Clinical Pharmacy

rincipal P. E. S. Mødern College of Pharma

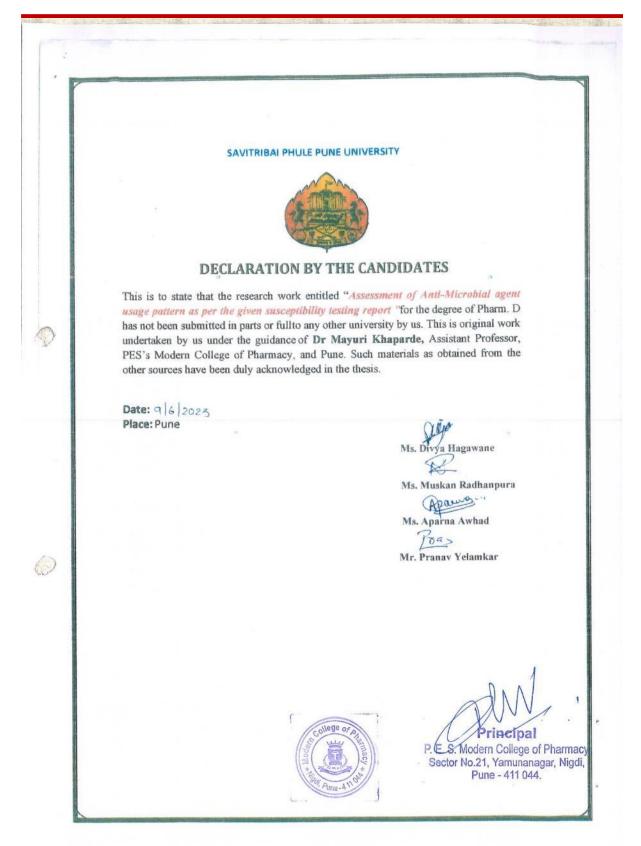
Sector No.21, Yamunanagar, Nigd Pune - 411 044.















"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"

Thesis submitted for the partial fulfilment of the degree of Pharm D

(DOCTOR OF PHARMACY)

In the Department of Clinical Pharmacy SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided By Dr. Rajani Mali

Co-Guided By Dr. Narendra Javadekar

Submitted By

Ms. Rachita Sanjeev Ranasubhe Ms. Saloni Anirudha Yadav

Mr. Sanket Prashant Talegaonkar Ms. Jagruti Umesh Yenpure



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY.

NIGDI, PUNE (2022-23) (ACCREDITED BY NAAC)

"To Study Incidence, Cost Analysis and Drug Utilization

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagulants in Patients with VTE"

This topic has been discussed and approved by the departmental faculty members.

Dr. S. B. Pawar

Head and associate Professor Department of Clinical Pharmacy Dr. A. R. Kumbhar Assistant Professor Department of Clinical Pharmacy

Dr. R. P. Chavan
Assistant Professor
Department of Clinical Pharmacy

Dr. R. B. Mali
Assistant Professor
Department of Clinical Pharmacy

Dr. M. S. Khaparde Assistant Professor Department of Clinical Pharmacy Mr. S. R. Savadekar Assistant Professor Department of Clinical Pharmacy

> P. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



(





PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Rachita Sanjeev Ranasubhe, Mr. Sanket Prashant Talegaonkar, Ms. Saloni Anirudha Yadav and Ms. Jagruti Umesh Yenpure under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023 Place: Nigdi, Pune. Dr. Rajani B. Mali Assistant Professor Research Guide

College of Ame And State of Ame And State of Ame And State of Ame And State of American State of Ameri

P. E. S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







CERTIFICATE BY THE CO-GUIDE

This is to certify that the research work presented in this thesis entitled "TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Ms. Rachita Sanjeev Ranasubhe, Mr. Sanket Prashant Talegaonkar, Ms. Saloni Anirudha Yadav and Ms. Jagruti Umesh Yenpure under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023 Place: Nigdi, Pune.

Dr. Narendra Javadekar MBBS M. D. (MED), D.N.B. (MED), M.A. (ECONOMICS) Research Co-Guide

College of Alignment of Aune 4 March

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Dr. P. D. Chaudhari

Principal,

P.E.S. Modern College of pharmacy,

Yamunanagar, Nigdi, Pune-44.

Ex Dean, Faculty of pharmaceutical sciences,

Savitribai Phule Pune University, Pune.

Endorsement By The Principal

This is to certify that the research work presented in this thesis entitled "TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE" submitted for degree of Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Rachita Sanjeev Ranasubhe, Mr. Sanket Prashant Talegaonkar, Ms. Saloni Anirudha Yadav and Ms. Jagruti Umesh Yenpure under the guidance of Dr. R. B. Mali at P.E.S. Modern college of pharmacy, Nigdi, Pune 44 during the academic year(2022-2023.

(1)

Date: 09/06/2023 Place: Nigdi, Pune.

Dr. Pravin D. Chaudhari Principal MCOP Modern College of Pharmacy

Yamunanager, Sector No.21 Nigdi, Pune-411 041







Dr. S. B. Pawar

HOD Pharm D, Associate Professor, P.E.S. Modern College of pharmacy, Yamunanagar, Nigdi, Pune-44.

Endorsement By Head Of Department

This is to certify that the research work presented in this thesis entitled "TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE" submitted for degree of Doctor of Pharmacy is a record of bonafide research work carried out by Ms. Rachita Sanjeev Ranasubhe, Mr. Sanket Prashant Talegaonkar, Ms. Saloni Anirudha Yadav and Ms. Jagruti Umesh Yenpure under the guidance of Dr. R. B. Mali at P.E.S. Modern college of pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023 Place: Nigdi, Pune.

College of Aller Alme-4 / College of Aller A

Dr. Sunita B. Pawar

E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "TO STUDY INCIDENCE, COST ANALYSIS AND DRUG UTILIZATION PATTERN OF ANTICOAGULANTS IN PATIENTS WITH VTE" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. Rajani Mali, Assistant Professor, PES's Modern College of Pharmacy, Pune and co-guide Dr. Narendra Javadekar, MBBS M. D. (MED), D.N.B. (MED), M.A. (ECONOMICS) (DMHRC - PI). Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023 Place: Nigdi, Pune.

Ms. Rachita Sanjeev Ranasubhe

Mr. Sanket Prashant Talegaonkar

Ms. Saloni Anirudha Yadav

Ms. Jagruti Umesh Yenpure

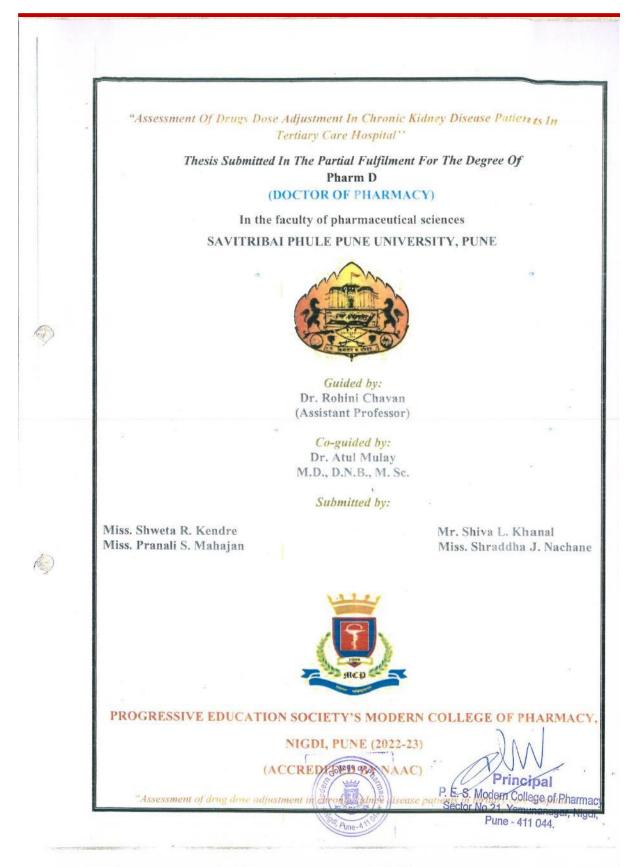
"To Study Incidence, Cost Analysis and Drug Utilization Pattern of Anticoagularis in Fallents with Pattern of A

Pune - 411 044













"Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital"

LETTER OF APPROVAL

The topic has been discussed and approved by the departmental faculty members.

Dr. S. B. Pawar Head & Associate Professor Department of Clinical Pharmacy

Dr. R. P. Chavan Assistant Professor Department of Clinical Pharmacy

Dr. M. S. Khaparde Assistant Professor Department of Clinical Pharmacy Dr. A. R. Kumbhar Assistant Professor Department of Clinical Pharmacy

Dr. R. B. Mali Assistant Professor Department of Clinical Pharmacy

Mr. S. R. Savadekar Assistant Professor Department of Clinical Pharmacy

College of A Page A Vine - A V

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital"







CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by ,Miss. Shweta R. Kendre, Mr. Shiva L. Khanal, Miss. Pranali S. Mahajan and Miss. Shraddha J. Nachane under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09 06 2023

Place: Nigdi

Dr. Rohini Chavan

(Pharm D) Assistant Professor Project Guide



Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital"







Dr. P. D. Chaudhari

Principal,

P.E.S. Modern College of Pharmacy,

Yamunanagar, Nigdi, Pune-44.

Ex-Dean, Faculty of pharmaceutical sciences,

Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital" for Doctor of Pharmacy is a record of bonafide research work carried out by Miss. Shweta R. Kendre, Mr. Shiva L. Khanal, Miss. Pranali S. Mahajan and Miss. Shraddha J. Nachane under the guidance of Dr. Rohini Chavan at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023

Date: 09 06 2023

Place: Nigdi



P.Mod Apdern Solber of Pharmacy,
Yamunanagar, Sector No.21

"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary care hospital".





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital" the degree of Pharm.D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. Rohini Chavan, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09 66 2023

Place: Pune

Miss. Shweta R. Kendre

(Rend re (P.))

Mr. Shiva L. Khanal

Miss. Pranali S. Mahajan

Miss. Shraddha J. Nachane

College of Angel

E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

"Assessment of drug dose adjustment in chronic kidney disease patients in tertiary cure hospital"







Dr. S. B. Pawar

HOD Pharm D,

Associate Professor,

P.E.S. Modern College of Pharmacy,

Yamunanagar, Nigdi, Pune-44.

Endorsement By Head Of Department

This is to certify that the research work presented in this thesis entitled "Assessment Of Drugs Dose Adjustment In Chronic Kidney Disease Patients In Tertiary Care Hospital" submitted for degree of Doctor of Pharmacy is a record of bonafide research work carried out by Miss. Shweta R. Kendre, Mr. Shiva L. Khanal, Miss. Pranali S. Mahajan and Miss. Shraddha J. Nachane, under the guidance of Dr. Rohini Chavan at P.E.S. Modern college of pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09 06 2023

Place: Nigdi, Pune.

Dr. Sunita B. Pawar

Associate Professor Head of Department Clinical Pharmacy

Assessment of drug dose adjustment in chronic kidney disease patient h terrificipal

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







Thesis submitted in the partial fulfillment for the degree of Pharm. D

(DOCTOR OF PHARMACY)

In the Faculty of Pharmaceutical Sciences

SAVITRIBAI PHULE PUNE UNIVERSITY,

PUNE



Guided by

Dr. Mayuri S. Khaparde

Co-guided by

Dr. Shilpa Kalane

Submitted by

Mr. Satywan Rajendra Kumbhar

Mr. Akash Rajesh Mahamuni

Ms. Sujata Hanumant Thokal

Ms. Sukshamta Digambar Balure



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE (2022-23)

(ACCREDITED BY NBA & NAAC)

To design, develop and validate the screening tool for numinizing present

S. Modern College of Pharm eter No.21, Vernagangar, Nic

Pune - 411 044.





"TO DESIGN, DEVELOP AND VALIDATE THE SCREENING TOOL FOR MINIMIZING PRESCRIPTION ERROR IN NEONATES"

LETTER OF APPROVAL

The topic has been discussed and approved by the faculty member.

Dr. S. B. Pawar Head & Associate Professor Department of Clinical pharmacy

Dr. A.R. Kumbhar Assistant Professor, Department of Clinical Pharmacy

Dr. R. P. Chavan Assistant Professor, Department of Clinical Pharmacy

Dr. R. B.Mali Assistant Professor Department of Clinical Pharmacy

Dr. M. S. Khaparde Assistant Professor, Department of Clinical Pharmacy Mr. S. R. Savadekar Assistant Professor Department of Clinical Pharmacy

To design, develop and validate the screening tool for

P.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44

(ACCREDITED BY NBA &NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "To design, develop and validate the Screening tool for minimizing prescription error in neonates" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Mr. Satywan Rajendra Kumbhar, Mr. Akash Rajesh Mahamuni, Ms. Sujata Hanumant Thokal, Ms. Sukshamta Digambar Balure under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: Nigdi

Dr. Mayuri. S. Khaparde

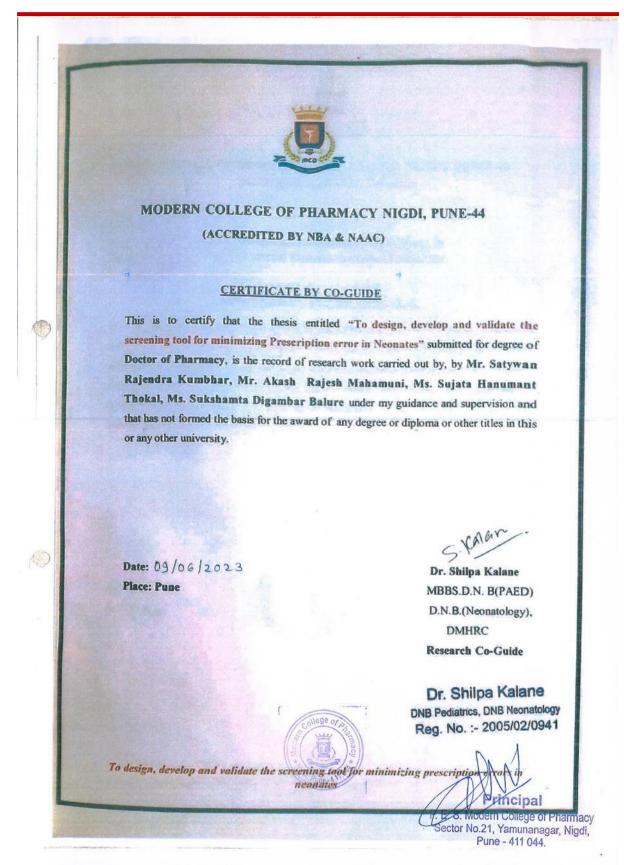
(Pharm. D)

Research Guide

P.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044. To design, develop and validate the screening tool for minimizing prescription errors in













PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.
Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "To design, develop and validate The screening tool for minimizing prescription errors in neonates" is a record of bonafide research work carried out by Mr.Satywan Rajendra Kumbhar, Mr. Akash Rajesh Mahamuni, Ms. Sujata Hanumant Thokal, Ms. Sukshamta Digambar Balure under the guidance of Dr. Mayuri S. Khaparde at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023

Place: Nigdi



Dr. Prayin D. Chaudhari
Pripcipal
P. Epsinoinal's
Modern College of Pharmacy
Yamunanagar, Sector No. 21

Night, Pune 411 U44

To design, develop and validate the screening tool for minimizing prescription errors in neonates







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

Dr. S. B. Pawar

HOD, Pharm D

P.E.S. Modern College of Pharmacy, Yamunanagar, Nigdi, Pune- 44.

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that the research presented in this thesis entitled, "To design, develop and validate The screening tool for minimizing prescription errors in neonates" is a record of bonafide research work carried out by Mr.Satywan Rajendra Kumbhar, Mr. Akash Rajesh Mahamuni, Ms. Sujata Hanumant Thokal, Ms. Sukshamta Digambar Balure under the guidance of Dr. Mayuri S. Khaparde at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2023

Place: Nigdi

0

Dr. S. B. Pawar

Head of Department Clinical Pharmacy

College of Annual Manual Manua

P. F.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

To design, develop and validate the screening tool for minimizing prescription errors in neonates





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "TO DESIGN, DEVELOP AND VALIDATE THE SCREENING TOOL FOR MINIMIZING PRESCRIPTION ERROR IN NEONATES" for the degree of PharmD has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. Mayuri S. Khaparde, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2023

Place: Pune

Mr. Satywan R. Kumbhar

Mr. Akash R. Mahamuni

Ms. Sujata H. Thokal

Ms. Sukshamta D. Balure

P. E. S. Modern Cellege of Pharmacy Sector No.2T, Yamunanagar, Nigdi, Pune - 411 044.

To design, develop and validate the screening tool for minimizing prescription errors in neonates



Criteria 1: Curricular Aspects



"DESIGN, DEVELOPMENT AND VALIDATION OF SCREENING TOOL FOR IV MEDICATIONS INCOMPATIBILITY IN NEONATES"

Thesis submitted in the partial fulfillment for the degree of Pharm. D

(DOCTOR OF PHARMACY)

In the faculty of Pharmaceutical Science

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by Dr. S. B. Pawar

Co-guided by Dr. Shilpa Kalane

Submitted by

Ms. Vaishnavee Deshmukh Ms. Vaishnavi Panchariya Mr. Gaurav Memeane Mr. Vedant Patil



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,
NIGDI, PUNE (2022-23)

(ACCREDITED BY NAAC)

P. E. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





"DESIGN, DEVELOPMENT AND VALIDATION OF SCREENING TOOL FOR IV MEDICATIONS INCOMPATIBILITY IN NEONATES"

LETTER OF APPROVAL

The topic has been discussed and approved by the departmental faculty members

Dr. S. B. Pawar Head & Associate Professor Department of Clinical Pharmacy

Dr. A. R. Kumbhar Assistant Professor, Department of Clinical Pharmacy

Dr. R. P. Chavan Assistant Professor, Department of Clinical Pharmacy

Dr. R. B. Mali Assistant Professor, Department of Clinical Pharmacy

Dr. M. S. Khaparde Assistant Professor, Department of Clinical Pharmacy

Mr. S. R. Savadekar Assistant Professor Department of Clinical Pharmacy

College of American

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Design, Development and Validation of Screening Tool for IV medications incompatibility in Neonates" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Miss. Vaishnavee Deshmukh, Mr. Gaurav Memane, Miss. Vaishnavi Panchariya, and Mr. Vedant Patil under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place: Nigdi

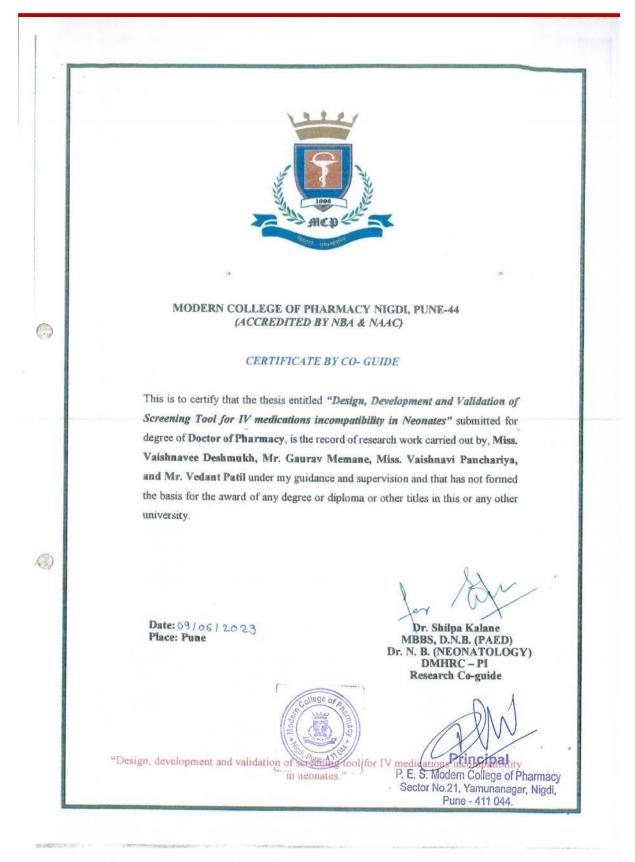
Dr. S. B. Pawar (Head &Associate Professor Department of Clinical Pharmacy) Research Guide



P. E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.













PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy,
Yamuna Nagar, Nigdi, Pune- 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Design, Development and Validation of Screening tool for IV medications incompatibility in neonates" for Doctor of Pharmacy is a record of bonafide research work carried out by Miss. Vaishnavee Deshmukh, Mr. Gaurav Memane, Miss. Vaishnavi Panchariya, and Mr. Vedant Patil under the guidance of Dr. S. B. Pawar at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during theacademic year 2022-2023.

Date: 09/06/2023

Place: Nigdi

Com College of Samuel College

Dr. IPPL to lead ari
Phintipal ari
Phintipal ari
Nodem College of Pharmacy
YamMcOP, Nigdi, Pune 21
Nigdi Pune 411 are







PES'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

Dr. S. B. Pawar

HOD, Pharm D Associate Professor, P.E.S. Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune- 44.

ENDORSEMENT BY THE HEAD OF DEPARTMENT

This is to certify that the research presented in this thesis entitled, "Design, Development and Validation of Screening tool for IV medications incompatibility in neonates" for Doctor of Pharmacy is a record of bonafide research work carried out by Miss. Vaishnavee Deshmukh, Mr. Gaurav Memane, Miss. Vaishnavi Panchariya, and Mr. Vedant Patil under the guidance of Dr. S. B. Pawar at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during theacademic year 2022-2023.

Date: 09/06/2023

Place: Nigdi

Dr. S. B. Pawar Head of Department Clinical Pharmacy

"Design, development and validation of screening tool for IV met

in neonates."

carors in principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.



(1)



SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "Design, Development and Validation of Screening Tool for IV Medications Incompatibility in Neonates" for the degree of Pharm. D has not been submitted in parts or full to any other university by us. This is original work undertaken by us under the guidance of Dr. S. B. Pawar, Head & Associate Professor, Department of Pharm D, PES's Modern College of Pharmacy, Pune and co-guide Dr. Shilpa Kalane, MBBS D.N.B (PAED), Dr. N. B. (NEONATOLOGY) (DMHRC-PI). Such materials, as obtained from the other sources, have been duly acknowledged in the thesis.

Date: 09/06/2023 Place: Pune

Sol

Miss. Vaishnavee Deshmukh

Que o

Mr. Gaurav Memane



Miss. Vaishnavi Panchariya

Walie

Mr. Vedant Patil

"Design, development and validation of screening in neonates."

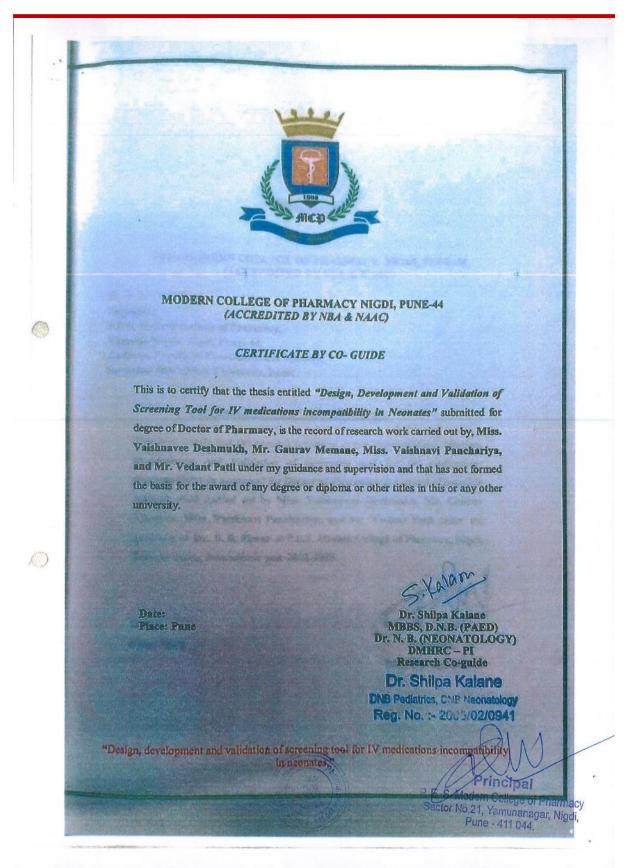
Modern College of Pharmacy No.21, Yamuhanagar, Nigdi, Pune - 411 044.

rincipal

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune 411044

















Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients

LETTER OF APPROVAL

The topic has been discussed and approved by the departmental faculty members.

SOX .

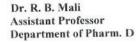
Dr. S. B. Pawar Head & Associate Professor Department of Pharm. D

Spile

Dr. A. R. Kumbhar Assistant Professor, Department of Pharm. D

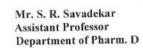
an

Dr. R. P. Chavan Assistant Professor, Department of Pharm. D





Dr. M. S. Khaparde Assistant Professor, Department of Pharm. D





P.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients"







PES'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Mr. Abhishek H. Khaire, Miss. Esha A. Patel, Miss. Sumedha A. Savane and Mr. Avinash S. Shinde under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09 06 2023

Place: Nigdi

Dr. Anjali Kumbhar

(Assistant Professor)

Research Guide

P.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Assessment of Drug Related Problems mong Uterine Cervix Carcinolla Pattens



()





MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

CERTIFICATE BY CO- GUIDE

This is to certify that the thesis entitled "Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by, Mr. Abhishek H. Khaire, Ms. Esha A. Patel, Ms. Sumedha A. Savane and Mr. Avinash S. Shinde under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Dr.Asma Pathan
MPF MO(General Medicine)
.d (Medical Oncology)
Reg no 324/10/2013

Date: 09 06 2023

Dr. Asma Pathan

Consultant Medical Oncologist Indrayani Hospital and Cancer Institute, Alandi, Pune

Place: Nigdi, Pune

Research Co-Guide

P. E. S. Modern College of Pharmacy

rincipal

'Assessment of Drug Related Problems Among Uterine Cervix Capanaga Pottents'







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

Dr. P. D. Chaudhari

Principal,
P.E.S. Modern College of Pharmacy,
Yamuna nagar, Nigdi, Pune-44.
Ex-Dean, Faculty of Pharmaceutical Sciences,
Savitribai Phule Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients" is a record of bonafide research work carried out by Mr. Abhishek H. Khaire, Miss. Esha A. Patel, Miss. Sumedha A. Savane and Mr. Avinash S. Shinde under the guidance of Dr. Anjali Kumbhar at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09 06 2023

Place: Nigdi

Pharm D *

Dr. P. D. Chaudhari

Principal

P

Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients"







PES'S MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

Dr. S. B. Pawar

HOD, Pharm D Associate Professor, P.E.S. Modern College Pharmacy, Yamuna nagar, Nigdi, Pune-44

CERTIFICATE BY HEAD OF DEPARTMENT

This is to certify that the research presented in this thesis entitled, "Assessment of Drug Related Problems Among Uterine Cervix Carcinoma Patients" is a record of bonafide research work carried out by Mr. Abhishek H. Khaire, Miss. Esha A. Patel, Miss. Sumedha A. Savane and Mr. Avinash S. Shinde under the guidance of Dr. Anjali Kumbhar at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09 06 2023

Place: Nigdi

Dr. S. B. Pawar HOD, Pharm. D

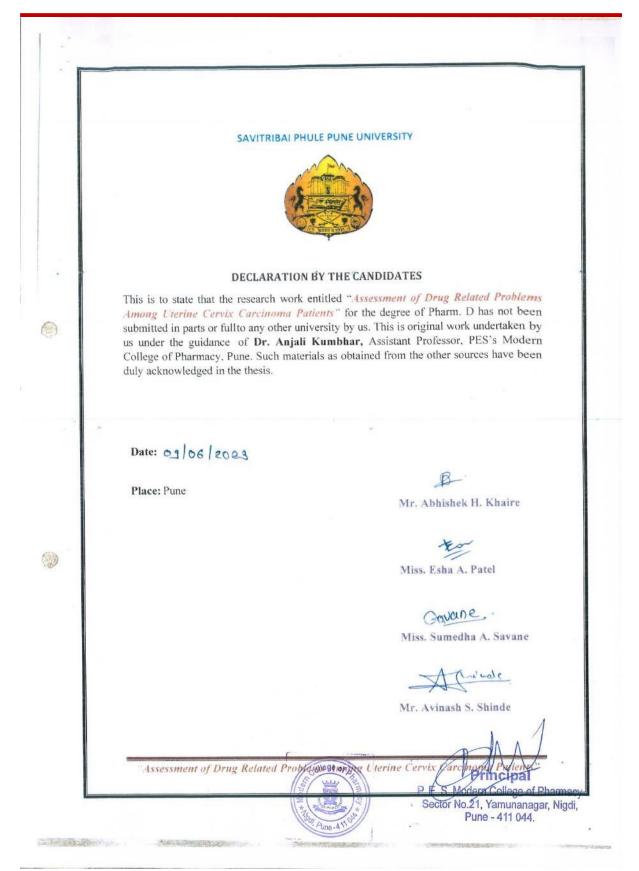
....

Modern College of Pharmac

Assessment of Drug Related Problems Among Uterine Cervi. Sector/No.21, Namunanagar, Nigd Pune - 411 044.

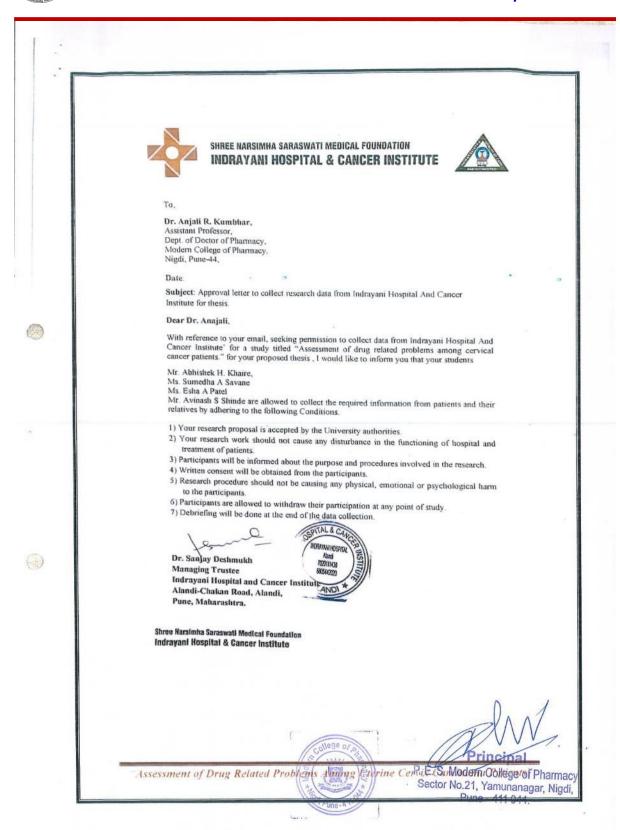






Criteria 1: Curricular Aspects









"DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN SOCIOLOGICAL FACTORS RESPONSIBLE FOR CARDIOVASCULAR RISKS."

Thesis submitted in the partial fulfillment for the degree of Pharm. D

(DOCTOR OF PHARMACY)

In the faculty of pharmaceutical sciences
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Guided by Mr. Siddhartha R. Savdekar

Co-guided by Dr. Sunita Pawar

Submitted by

Mr. Nitesh R. Agrawal Mr. Shubham R Kudale Ms. Shruti C Akhade Ms. Ashwini A. Vare



PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY,

NIGDI, PUNE (2021-22) (ACCREDITED BY NAAC)

"DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERAL RELATED TO CARDIOVASCULAR RISK FACTOR TO SOCIOLOGICAL FACTOR

> Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



(1)



"DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN SOCIOLOGICAL FACTORS RESPONSIBLE FOR CARDIOVASCULAR RISKS."

LETTER OF APPROVAL

The topic has been discussed and approved by the departmental faculty members.



Dr. S. B. Pawar

Head and Associate Professor

Department of Clinical Pharmacy



Assistant Professor

Department of Clinical Pharmacy

Dr. M. S. Khaparde

Assistant Professor

Department of Clinical Pharmacy

- -

Dr. A. R. Kumbhar

Assistant Professor

Department of Clinical Pharmacy

Dr. R. B. Mali

Assistant Professor

Department of Clinical Pharmacy

Mr. S. R. Savdekar

Assistant Professor

Department of Clinical Pharmacy

"DEVELOPMENT OF THE MOBILE APPEARATION FOR DIGHTAL RELATED TO CARDIOVASCULAR RISK TACKNIN SOCIOLOGICAL

P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44

(ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN SOCIOLOGICAL FACTORS RESPONSIBLE FOR CARDIOVASCULAR RISKS." submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Mr. Nitesh R. Agrawal, Ms. Shruti C. Akhade, Mr. Shubham R. Kudale and Ms. Ashwini A. Vare under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023

Place : Nigdi, Pune

Mr. S. R. Savdekar

Assistant Professor, Department of

Pharm D

WII.

Research Guide

"DEVELOPMENT OF THE MOBILE

P. E.S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







MODERN COLLEGE OF PHARMACY NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

CERTIFICATE BY CO- GUIDE

This is to certify that the research work presented in this thesis entitled "DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN SOCIOLOGICAL FACTORS RESPONSIBLE FOR CARDIOVASCULAR RISKS,"submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Mr. Nitesh R. Agrawal, Ms. Shruti C. Akhade, Mr. Shubham R. Kudale and Ms. Ashwini A. Vare under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2013

Place: Nigdi, Pune.

Dr. S. B. Pawar

Head and Associate Professor

Department of Pharm D

Research Co-Guide

"DEVELOPMENT OF THE MOBIL

DIGIP, E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

Dr. P. D. Chaudhari

Principal,

P.E.S. Modern College of Pharmacy, Yamunanagar,

Nigdi, Pune- 44.

Ex-Dean, Faculty of Pharmaceutical Sciences, Savitribai Phule

Pune University, Pune.

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the research presented in this thesis entitled, "DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN SOCIOLOGICAL FACTORS RESPONSIBLE FOR CARDIOVASCULAR RISKS." for Doctor of Pharmacy is a record of bonafide research work carried out by Mr. Nitesh R. Agrawal, Ms. Shruti C. Akhade, Mr. Shubham R. Kudale and Ms. Ashwini A. Vare under the guidance of Mr. S. R. Savdekar and Dr. S. B. Pawar at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date:

Place: Nigdi, Punc

Dr. Pray D Chaidha

Cipal ollege of Pharmacy nunanagar, Sector No.21 Nigdi, Prine-411 044

"DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN CVD."







PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE-44 (ACCREDITED BY NBA & NAAC)

Dr. S. B. Pawar,

HOD, Department of Pharm D P.E.S. Modern College PharmacyNigdi, Pune-44

ENDORSEMENT BY THE HEAD OF DEPARTMENT

This is to certify that the research presented in this thesis entitled, "DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN SOCIOLOGICAL FACTORS RESPONSIBLE FOR CARDIOVASCULAR RISKS." for Doctor of Pharmacy is a record of bonafide research work carried out by Mr. Nitesh R. Agrawal, Ms. Shruti C. Akhade, Mr. Shubham R. Kudale and Ms. Ashwini A. Vare under the guidance of Mr. S. R. Savdekar and Dr. S. B. Pawar at P.E.S. Modern College of Pharmacy, Nigdi, Pune 44 during the academic year 2022-2023.

Date: 09/06/2027

Place: Nigdi, Pune

Dr. S. B. Pawar

Head and Associate Professor

Department of Pharm D

Research Co-Guide

and the second

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

"DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN CVD."





SAVITRIBAI PHULE PUNE UNIVERSITY



DECLARATION BY THE CANDIDATES

This is to state that the research work entitled "DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN SOCIOLOGICAL FACTORS RESPONSIBLE FOR CARDIOVASCULAR RISKS." for the degree of Pharm. D has not been submitted in parts or fullto any other university by us. This is original work undertaken by us under the guidanceof Mr. S. R. Savdekar, Assistant Professor, PES's Modern College of Pharmacy, Pune. Such materials as obtained from the other sources have been duly acknowledged in the thesis.

Date: 09/06/2013
Place: Pune

Mr. Nitesh R. Agrawal

Ms. Shruti C. Akhade

Mr. Shubham R. Kudale

Ms. Ashwini A. Vare

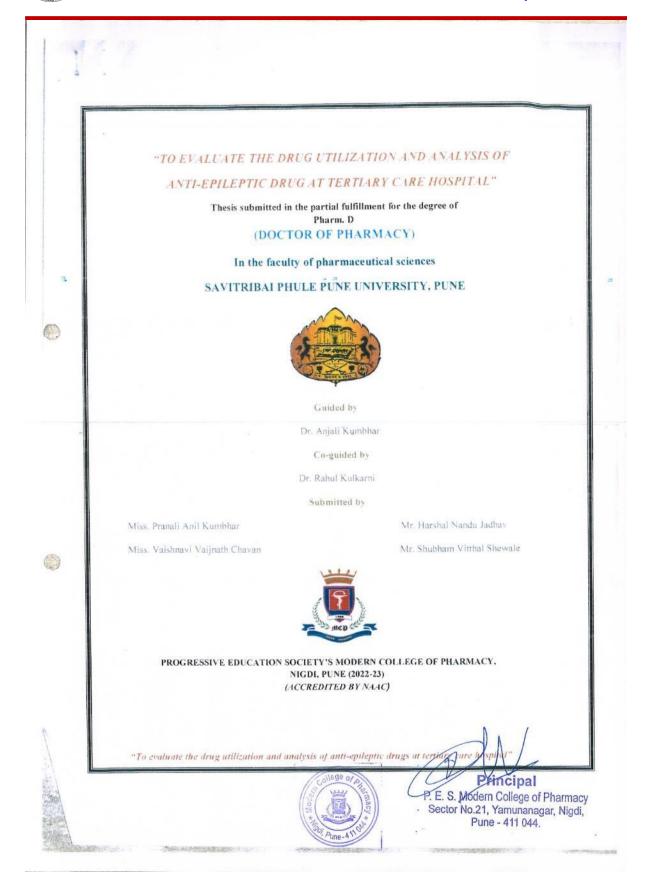
P. E. S. Modern Cellege of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

"DEVELOPMENT OF THE MOBILE APPLICATION FOR DIGITAL LITERACY IN CVD."



Criteria 1: Curricular Aspects







Criteria 1: Curricular Aspects



"TO EVALUATE THE DRUG UTILIZATION AND ANALYSIS OF ANTI-EPILEPTIC DRUG AT TERTIARY CARE HOSPITAL."

LETTER OF APPROVAL

The topic has been discussed and approved by the departmental faculty members.

Dr. S. B. Pawar Head & Associate Professor Department of Pharm. D Dr. A. R. Kumbhar Assistant Professor, Department of Pharm. D

Dr. R. P. Chavan Assistant Professor, Department of Pharm. D,

Dr. R. B. Mali Assistant Professor Department of Pharm. D,

Dr. M. S. Khaparde Assistant Professor, Department of Pharm. D Mr. S. R. Savadekar Assistant Professor Department of Pharm. D

"To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiary car

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





PES's MODERN COLLEGE OF PHARMACY, NIGDI, PUNE- 44 (ACCREDITED BY NBA & NAAC)

CERTIFICATE BY THE GUIDE

This is to certify that the research work presented in this thesis entitled "To evaluate the drug utilization and analysis of Anti-epileptic drugs at tertiary care hospital" submitted for degree of Doctor of Pharmacy, is the record of research work carried out by Miss. Pranali A Kumbhar, Mr. Harshal N Jadhav, Miss. Vaishnavi V Chavan, Mr. Shubham V Shewale under my guidance and supervision and that has not formed the basis for the award of any degree or diploma or other titles in this or any other university.

Date: 09/06/2023 Place: Nigdi, Pune. Dr. Anjali Kumbhai (Assistant professor) Research Guide

"To evaluate the drug utilization and analysis of anti-epileptic drugs at tertiory care

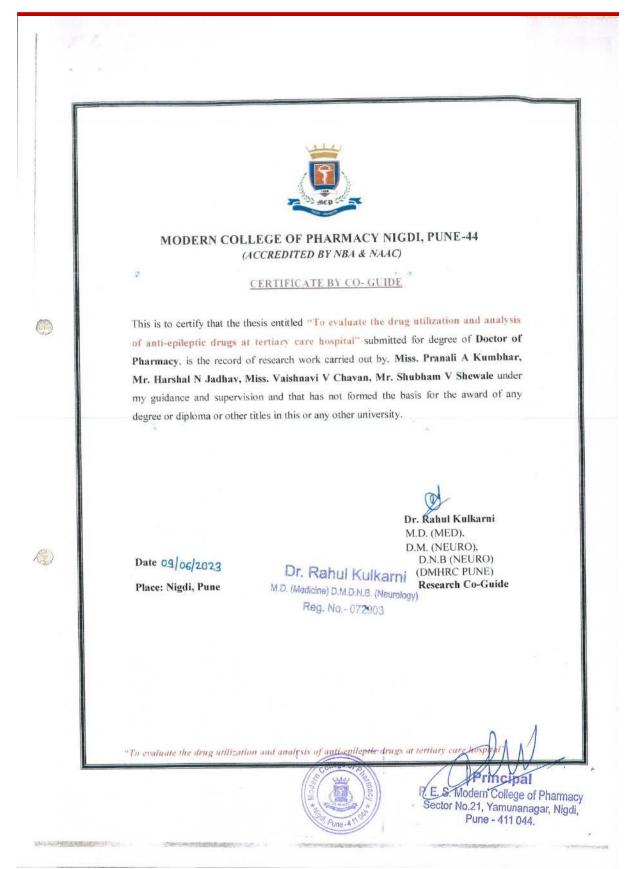


Principal

R. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



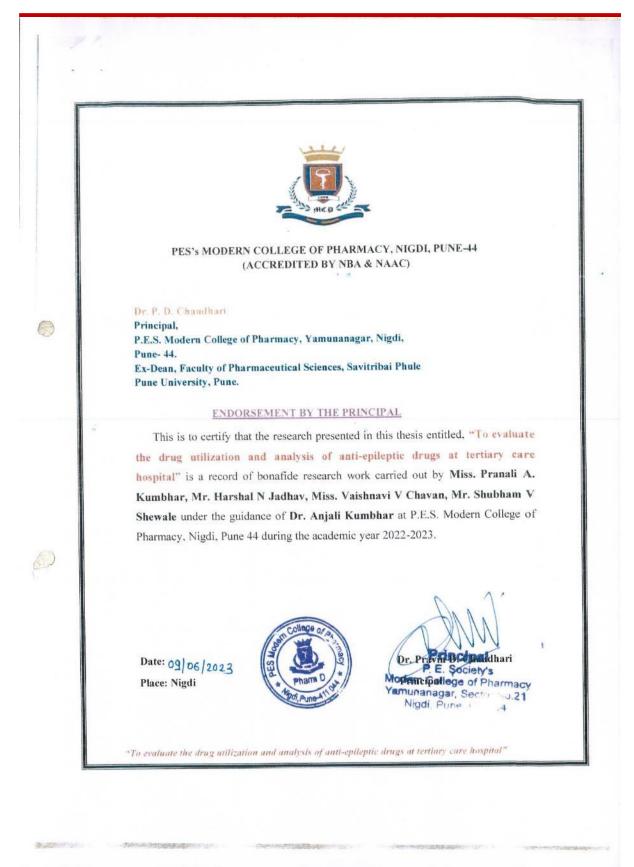






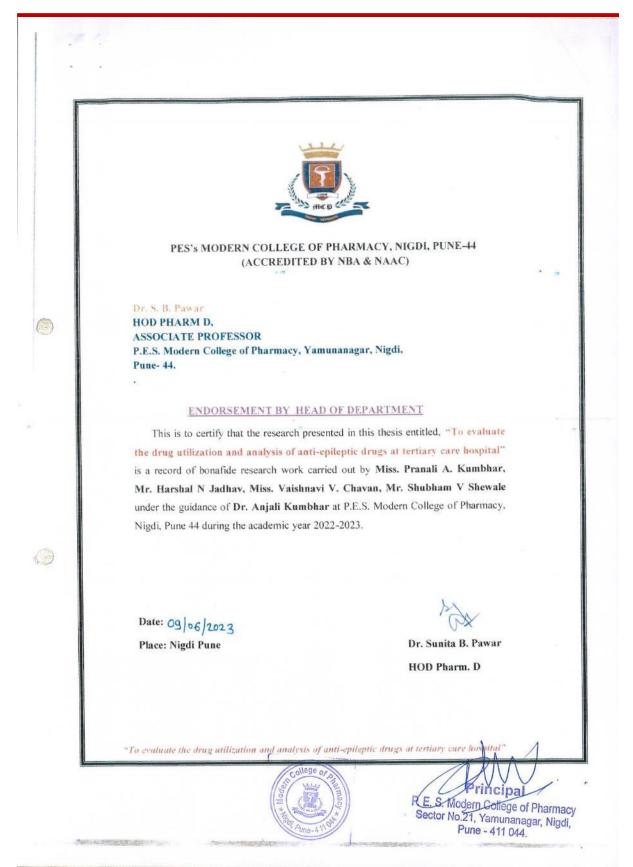






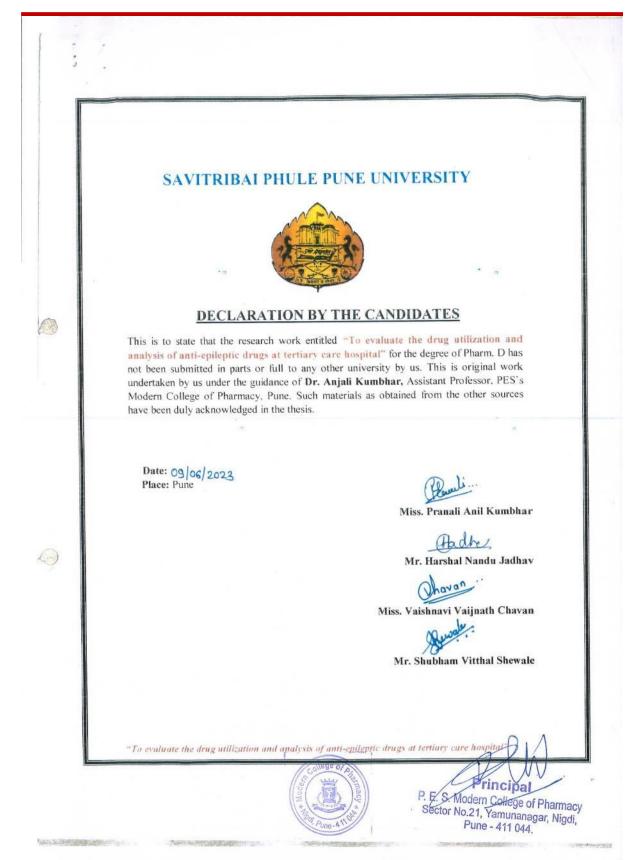
















First Year B. Pharm Environmental Science Project



Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently affiliated to Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel.: 020-27661314 / 15 E-mail: mcopnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal

Prof. Dr. Gajanan R. Ekbote M.S, M.N.A.M.S. Chairman, Business Council P.E.Society, Pune

Date:

Ref:

B. PHARM FIRST YR. ENVIROMENTAL PROJECT DETAILS -2022-23

Roll No.	Name of the Students	Tital of project	
1001	AMRUTKAR SACHIN EKNATH	London Smog	
1002	ANDRE DISHA YASHWANT		
1003	ATTARKAR YASH GANESH		
1004	BANSODE PAYAL ANGAD	Chernobyl Disaster	
1005	BHAKAD DARSHAN LAXMAN		
1006	BHARAMBE BHAKTI CHANDRAKANT		
1007	BHARAMBE MIHIR SHIVAJI		
1008	BHATANE CHAITANYA GOVIND	Bhopal Gas Tragedy	
1009	BHOI NEERAJ KISHOR		
1010	BHOPALE SANIKA RAJESH	The Exxon Valdez Oil Spill	
1011	BHOSALE SURABHI RAMESH		
1012	BHOSLE RUSHIKESH KRISHNA		
1013	BHURKUNDE SHUBHAM NARAYAN	The Seveso Disaster	
1014	CHENDKE VAISHNAVEE ANAND		
1015	CHOUGULE RAJWARDHAN DIGAMBAR		
1016	DAHIPHALE ADITYA ADINATH		
1017	DALAVI SNEHA SANTOSH	Minamata Disease	
1018	DALVI SAKSHI AMAR		
1019	DATE SNEHAL KHANDU		
1020	DATIR SARTHAK DEEPAK	Southern Leyte Rock Slide/Avalanche	
1021	DHANAVADE SHUBHAM CHANDRAKANT		
1022	DHANDE SWARAJ GANPAT	Deepwater Horizon/ Gulf of Mexico Oilspill	
023	DHORE HARSHAL LALASAHEB		
024	GAIKWAD ROHIT RAOSAHEB		
025	GAVHANE SHRAVANI BHAIRAVNATH	Baia Mare Cyanide Spill	
026	GAWARI GAYATRI SHIVAJI		
027	GHODAKE SAVITRI VISHWANATH		

SUBJECT INCHARGE



Principal

RINCIPAL

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER







MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022) 'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi,
Directorate of Technical Education, Mumbai (MS), Permanently affiliated to
Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel.: 020-27661314 / 15

E-mail: mcopnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal Prof. Dr. Gajanan R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council P.E.Society, Pune

Ref:

Date:

B. PHARM FIRST YR. ENVIROMENTAL PROJECT DETAILS -2022-23

Roll No.	Name of the Students	Title of project	
1028	GHUGE POONAM SHARAD		
1029	GIDYE PRASHANTI RAMESH	Love Canal Tragedy	
1030	GOVEKAR VAIDEHI SHRINIWAS		
1031	GURAV PRATHMESH RAJARAM	The North Pacific Garbage Patch	
1032	HOLE AISHWARYA DILEEP		
1033	INGALE DARSHIL SANJOG		
1034	JADAR TRUPTI ASHOK	E-waste in Guiyu, China	
1035	JADHAV ANUSHKA		
1036	JADHAV MANIK SOMDEV		
1037	JADHAV PRACHI EKNATH	Dust Bowl in Canada and United States	
1038	JADHAV ROHAN RAJENDRA		
1039	JAGALPURE SANSKRUTI SANJAY		
1040	JAGDALE TANMAY BHARAT		
1041	JAGTAP VAIBHAV ANNASAHEB	The Great Sparrow Campaign (China)	
1042	JAMADAR YASHPAL MANSING		
1043	JANE ACHAL SUDHIR	Decline of Vultures in India due to Diclofenae leadi to increased incidenses of rabies	
1044	JUMADE KHUSHBOO DEEPAK		
1045	KACHARE VAISHNAVI GOVIND		
1046	KAMBALE VRUNDALI BHAUSAHEB	Deforestation of Easter Island	
1047	KAMBLE SAINATH PANDURANG		
1048	KARALE VAISHNAVI TARUN		
1049	KARANDE SNEHAL RAMCHANDRA	Environmental Threats to The Great Barrier Reef	
1050	KASHID PRATIKSHA PRADIP		
1051	KATE VAISHNAVI SHANKAR		
1052	KATKHEDE JANHAVI SUNIL	Donora Smog	
1053	KHANDARE RUTUJA JAGANNATH		
1054	KHEDKAR SHRAVANI SANDEEP		
1055	KHERDE ADITI RAJESH		
1056	KOKATE SHILPA DNYANESHWAR	Fukushima Danchi Nuclear Disaster	
1057	KOTHE MRUNMAY	THE REPORT OF THE PARTY OF THE	
1058	KULKARNI KAUSTUBH MILIND	Melbourne Dust Storm	
1059	KULKARNI VISHAL VINAYAK		
1060	KURHE SHREYAS BABASAHEB	- Activity Course	
1061	LOKHANDE PRIYA NAVNATH		
1062	LONDHE NINAD RAJENDRA	Kuwaiti Oil Fires	
1063	MADAKE NIKHIL BHAGWAN		
1064	MAHAKE OMKESH VENKAT		
1065	MAIND PRASAD PRAVIN	Burning of Amazon Forest-2019	
1066	MANJARE HARSHAL RAHUL		
	A CONTRACTOR OF THE PARTY OF TH		

(Tanvi Tadhav)

PRINCIPAL

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

STRIVING TOWARDS EXCELLENCE FOREVER





Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Accredited by NAAC & NBA (B.Pharm. 2019 to June 2022)

'Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently affiliated to Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel.: 020-27661314 / 15

E-mail: mcopnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal

Prof. Dr. Gajanan R. Ekbote M.S., M.N.A.M.S. Chairman, Business Council P.E.Society, Pune

Ref:

B. PHARM FIRST YR. ENVIROMENTAL PROJECT DETAILS -2022-23te:

ROLL NO.	NAME OF THE STUDENTS	TITLE OF PROJECT	
1067	MANKAR MOHINI ISHWARDAS		
1068	MARNE PAYAL SUNIL	Coral Bleaching	
1069	MASNE PRAJAKTA BHAGWAN		
1070	MHASKE RUTUJA TANAJI		
1071	MORE BHAKTI RAJESH	Ocean Acidification	
1072	MORE OMKAR SUDAM		
1073	MULE UTKARSHA CHANDRAKANT	Sacred Groves in the Western Ghats	
1074	NAVALE PRATIK RAJENDRA		
1075	NAVGIRE SHARAYU DAYANAND		
1076	NIKAM ONKAR VIJAY		
1077	PACHKHANDE RUSHIKESH SANTOSH	The Gulf War Spill	
1078	PANWAR NARAYANI MANOHARLAL		
1079	PATE APURVA VIJAYKUMAR	The Libby Montana Asbestos Contamination	
1080	PATIL ADITYA VIJAY		
1081	PATIL PRANAV RAJESH		
1082	PATIL VAISHNAV DADARAO		
1083	PATIL YUVRADNI HARISH	Australian Bush fires 2019-2020	
1084	PAVSE DURGADEVI MAHESH	A CONTRACTOR OF THE PROPERTY O	
1085	POLE RUTUJA DASHRATH	Oil spill In Russia's Artic region	
1086	POTDAR CHINMAYEE RAHUL		
1087	RANE MANISH GAJANAN		
1088	RATHOD KAJAL JITENDRA	Cyclone Nisarga, MH	
1089	RAUT ATHARVA NANDKISHOR		
1090	ROHIDA YASHIKA		
1091	SABNE KUNAL SURESH		
1092	SHARMA HARISH DWARKAPRASAD	Jaitapur Nuclear Power Plant	
1093	SHEIKH ARSHIYA NAVED	The state of the s	
1094	SHELAR PRIYA DIPAK	Assam Gas and oil leak	
1095	SHENDGE GANESH DADASAHEB		
1096	SHEREGAR DISHA RAJANAND		
1097	SHINDE AAYUSH UMESH		
1098	SHINDE ANKITA ATUL	Man and animal Conflict	
1099	SHINDE SHRIKANT MININATH	The state of the s	
1100	SINGH PRANAV SANDEEP		
1101	SONAWANE ROHIT RAJU	Western Ghats - UNESCO World Heritage site	
1102	SUDKE VEDANTI RAJESH		
1103	TAMBOLI KHATIJA KONDAJI	California Wild Fires	
1104	TAPSALE AARYAN ARUN		
1105	THOMBARE SANIKA DNYANESHWAR		
1106	THORAT KIRTI BABULAL		
1107	VAIRAT UDDHAV BHANUDAS	Kaas Plateau- UNESCO World Heritage site	
1108	VAYAL SHREYA SANDEEP	The state of the s	
1109	VERULKAR SANCHAY SHALIGRAM	Cheetah Reintroduction in Kuno National Par	
1110	WADGAVE DNYANESHWAR CHANDRAKANT		
1111	WADHAI GAURANG ANANT		

Tourvi Jadhav SUBJECT INCHARGE

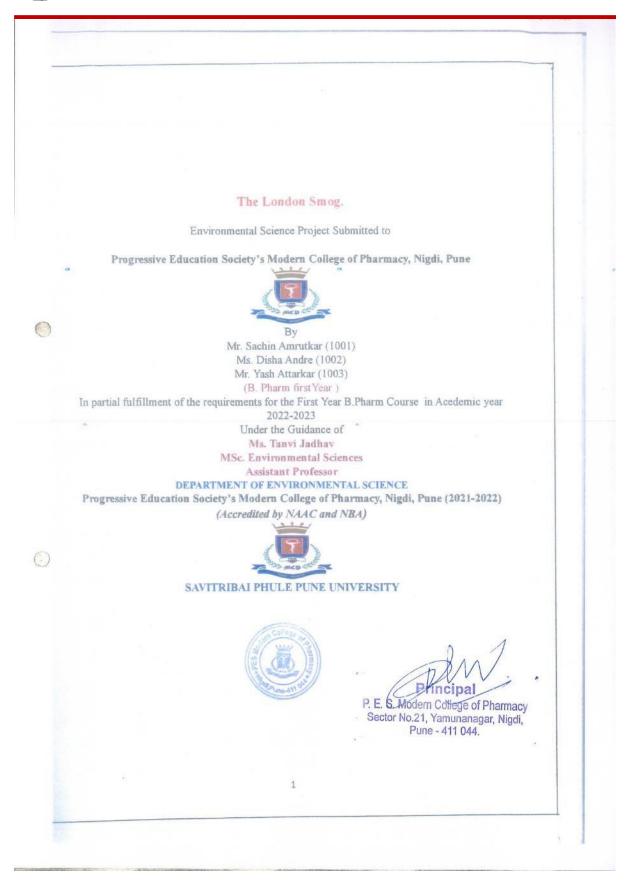
RINCIPAL

STRIVING TOWARDS EXCELLENCE FOREVER. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.

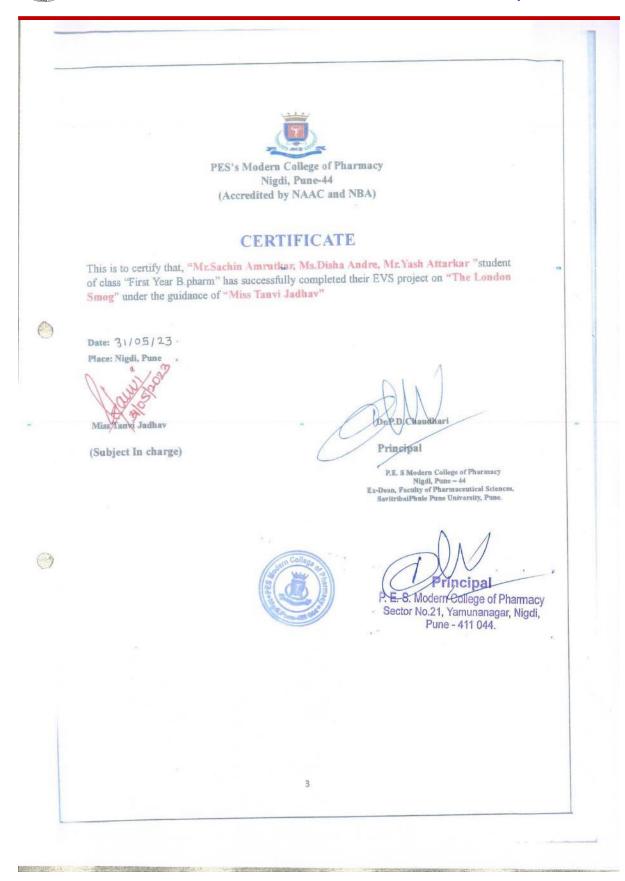
















CHERNOBYL DISASTER

Environment science project submitted To

Progressive Education Society's

Modern College of Pharmacy

YAMUNANAGER NIGDI, PUNE-44



By

Mr.Darshan Bhakad

Ms.Bhakti Bharambe

Ms.Payal Bansode

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm

Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Science, Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

SAVITRIBAI PHULE PUNE UNIVERCITY

2







CERTIFICATE

This is to certify that, "Darshan Bhakad" "Bhakti Bharambe" "Payal Bansode" student of class "FY B.pharm" has successfully completed their EVS project on the "Chernobyl disaster" under the guidance of "Miss Tanvi Jadhay"

Date: 31/5/23

Place: Nigdi, Pune

Miss Tanvi Jadhav

(Subject Incharge)

DR.P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy, Nigdi, Pune - 44

Ex-Dean, Faculty of Pharmaceutical Science,







Bhopal Gas Tragedy

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By Mihir Bharambe Neeraj Bhoi Chaitanya Bhatane



(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)





SAVITRIBAI PHULE PUNE UNIVERSITY











CERTIFICATE

This is to certify that, "Mihir Bharambe, Neeraj Bhoi, Chaitanya Bhatane" student of class "F.Y.BPharm (DIV:- A) "has successfully completed their EVS project on "Bhopal Gas Tragedy" under the guidance of "Miss Tanvi Jadhav"

Date: 31st May 2023 Place: Nigdi, Pune

Miss Tanvi Jadhav

(Subject In charge)

P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44 Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University, Pune.





The Exxon Valdez Oil spill

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune - 44



By

Ms. Sanika Bhopale (B. Pharm first Year)

Ms. Surabhi Bhosale (B. Pharm firstYear)

Mr. Rushikesh Bhosle (B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE











CERTIFICATE

This is to certify the "Ms. Sanika Bhopale, Ms. Surabhi Bhosale, Mr. Rushikesh Bhosle" student of class "F.Y.B.pharm" has successfully completed their EVS project on "The Exxon Valdez Oil Spill" under the guidance of "Miss Tanvi Jadhav"

Date: 31/05/2023

Place: Nigdi, Pune

(Subject In charge)

Dr. P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy Nighti, Pune - 44

armaceutical Sciences,

0



The seveso disaster

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



BV

Mr. Shubham bhurkunde

Ms. Vaishnavee chendke

Mr . Rajwardhan chougule

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in

Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

Gollage or







CERTIFICATE

. This is to certify that, "Mr. Shubham bhurkunde, Ms. Vaishnavee chendke, Mr. Rajwardhan chougule" student of class " fy b pharm" has successfully completed their EVS project on "The seveso disaster" under the guidance of "Miss Tanvi Jadhay"

Date: 31st May 2023 Place: Nigdi, Pune

(Subject In charge)

Dehaudhari

Principal

P.E. S Modern College of Pharmacy Nigdl, Pune = 44

P. E. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.



MINAMATA DISEASE

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



Mr. Aditya Dahiphale , Ms.Sneha Dalavi , Ms Sakshi Dalvi

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic

year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

College or College or







CERTIFICATE

This is to certify that, "Mr. Aditya Dahiphale, Ms. Sneha Dalavi, Ms. Sakshi Dalvi" student of class " FY.Bpharm Div A " has successfully completed their EVS project on "Title of the Project" under the guidance of "Miss Tanvi Jadhav"



Date:

Place: Nigdi, Pune

Miss Tanyi Jadhay

(Subject In charge)

Dr. P.D Chandhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44
Ex-Dean, Faculty of Pharmaceutical Sciences,
SavitribaiPhule Pune University, Pune.

F.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





SOUTHERN LEYTE ROCK SLIDE / AVALANCHE

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Ms SNEHAL DATE, Mr SARTHAK DATIR, Mr SHUBHAM DHANAWDE

(B. Pharm first Year)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY



Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







CERTIFICATE

0

This is to certify that,

"SNEHAL DATE, SARTHAK DATIR

SHUBHAM DHANAWDE" student of class "F.Y.B PHARM" has successfully completed their EVS project on "SOUTHERN LEYTE ROCK SLIDE / AVALANCHE" under the guidance of "Miss Tanvi Jadhav"

Date: 3 | 05/2023 Place: Nigdi, Pune



P.D Chardhari

Principal

P.E. S Modern College of Pharmacy

Nigdi, Pune - 44

Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University,

Principal







Deepwater Horizon Oil spill in Gulf of Mexico

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune - 44



Mr. Dhande Swaraj (B. Pharmfirst Year)

Mr. Dhore Harshal (B. PharmfirstYear)

Mr. Gaikwad Rohit

(B. PharmfirstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







CERTIFICATE



This is to certify the "Mr. Swaraj Dhande, Mr. Harshal Dhore, Mr. Rohit Gaikwad" student of class "F.Y.B.pharm" has successfully completed their EVS project on "Deepwater Horizon Oil Spill" under the guidance of "Miss Tanvi Jadhav"

Date: 31/05/2023 Place: Nigdi, Pune



(Subject In charge)



P.E. S Modern College of Pharmacy Nigdi, Pune – 44 Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University, Pune.

P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





Baia Mare Cyanide Spill

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune - 44



()



By

Miss Shravni Gavhane

(B. Pharmfirst Year)

Miss Gayatri Gawari Miss Savitri Ghodake (B. PharmfirstYear)
(B. PharmfirstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav
MSc. Environmental Sciences
Assistant Professor
DEPARTMENT OF ENVIRONMENTAL



P. E. S. Modern Cettege of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.







CERTIFICATE

This is to certify the "Ms. SHRAVANI Gavhane, Ms. Gayatri Gawari, Ms. Savitri Ghodake " student of class " F.Y.B.pharm " has successfully completed their EVS project on "Baia Mare Cyanide Spill" under the guidance of "Miss Tanvi Jadhav"

Date: 31/05/2023

Place: Nigdi, Pune

(Subject In charge)

Principal

P.E. S Modern College of Pharmacy

Nigdi, Pune – 44 Ex-Dean, Faculty of Pharmace SavitribaiPhul Tuny Unive

P. E. S. Modern Cottege of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





LOVE CANAL TRAGEDY

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



Bv

Ms. Poonam Ghuge

Ms. Prashanti Gidye

Ms. Vaidehi Govekar

(B. Pharm FirstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

College of College of









NORTH PACIFIC GARBAGE PATCH

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Mr.Prathmesh Gurav (1031)

Ms. Aishwarya Hole (1032)

Mr.Darshil Ingale (1033)

(B. PharmfirstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in

Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

(2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

Principal
P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

CERTIFICATE

This is to certify that, "Mr.Prathmesh Gurav, Ms.Aishwarya Hole, Mr.Darshil Ingale" student of class "DIV-A" has successfully completed their EVS project on "NORTH PACIFIC GARBAGE PATCH" under the guidance of "Miss Tanvi Jadhav"

Date: 31-5-2023 Place: Nigdi, Pune

Miss Tany Jadhav

(Subject In charge)

Dr. P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy

Nigdi, Pune - 44

Ex-Dean, Faculty of Pharmaceutical Sciences,

SavitribaiPhule Pune Univ





E-WASTE IN GUIYU, CHINA

Environmental Science Project Submitted To

PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF PHARMACY

YAMUNANAGAR NIGDI, PUNE-44.



By

Ms.Trupti Jadar.

Ms. Anushka Jadhav.

Mr. Manik Jadhav.

(B.Pharm First Year)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Academic Year 2022-2023

Under the Guidance of

Ms.Tanvi Jadhav

Msc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-20)

1







CERTIFICATE

This is to certify that, "Ms.Trupti Jadar. Ms. Anushka Jadhav, Mr. Manik Jadhav" student of class "First Year B.Pharm" has successfully completed their EVS projecton "E-Waste in Guiyu, China" under the guidance of "Miss Tanvi Jadhav"

Date: 01 | 06 | 2-3

Place: Nigdi, Pune

Miss Tanvi Jadhav

(Subject in Charge)

Dr.P.D Chaudhari

Principal

Principal





DUST BOWL IN CANADA & U.S.

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Ms. Prachi Jadhav (1037)

Mr. Rohan Jadhav (1038)

Ms. Sanskruti Jagalpure (1039)

(B. Pharm first Year)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-

2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY









CERTIFICATE .

This is to certify that, "Ms. Prachi Jadhav, Mr. Rohan Jadhav, Ms. Sanskruti Jagalpure" student of class "DIV-A" has successfully completed their EVS project on "DUST BOWL IN CANADA & U.S. "under the guidance of "Miss Tanvi Jadhav"

Date:

Place: Nigdi, Pune

Miss Tanvi Jadhav

(Subject In charge)

Dr. P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribalPhule Pune University, June.



Criteria 1: Curricular Aspects



Decline of vultures in India due to diclofenac leading incidence rabies

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Ms.Achal jane

Ms. Khushboo jumade

Ms. Vaishnavi kachare

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2022-2023)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY







CERTIFICATE

This is to certify that, "Achal jane, Khushboo jumade and Vaishnavi kachare" student of class "First Year B Pharm" has successfully completed their EVS project on "decline of vultures in India due to diclofenac leading incidence rabies" under the guidance of "Miss Tanvi Jadhav"

Date: 31-05-2023 Place: Nigdi, Pune

Miss Tanvi Jadhay

(Subject In charge)

Dr. P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44 Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University, Pune.

Principal









Deforestation of Easter island

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



BY

Mr. Sainath kamble(1046)

Ms. Vrundali kamble(1047)

Ms. Vaishnavi karale(1048)

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic

year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY









PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

CERTIFICATE

This is to certify that, "Vaishnavi karale, Vrundali kamble and Sainath kamble" student of class "First Year B.Pharma" has successfully completed their EVS project on "Deforestation of Easter island" under the guidance of "Miss Tanvi Jadhav"

Date: 31/5/23 Place: Nigdi, Pune

Miss Phow Jadhav

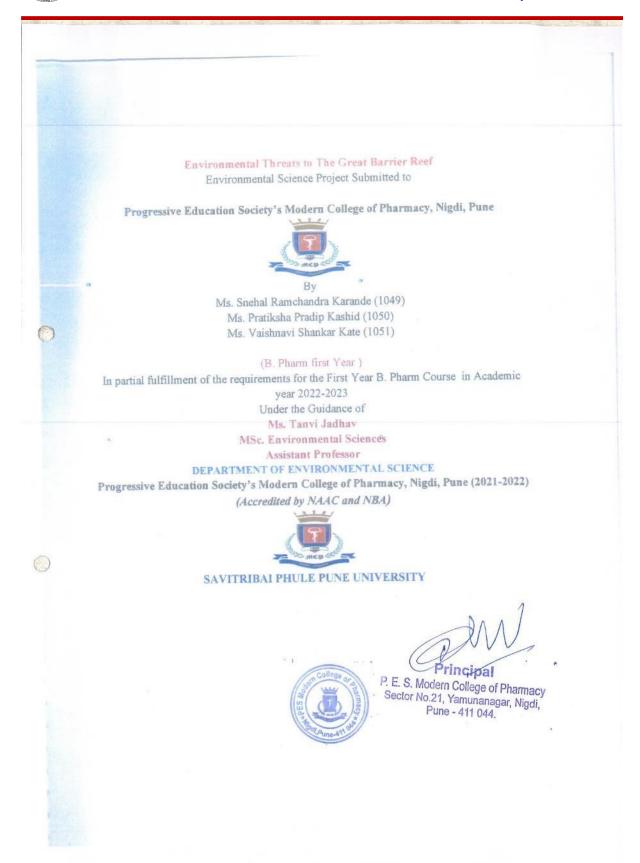
(Subject In charge)

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44 Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University, Pune.







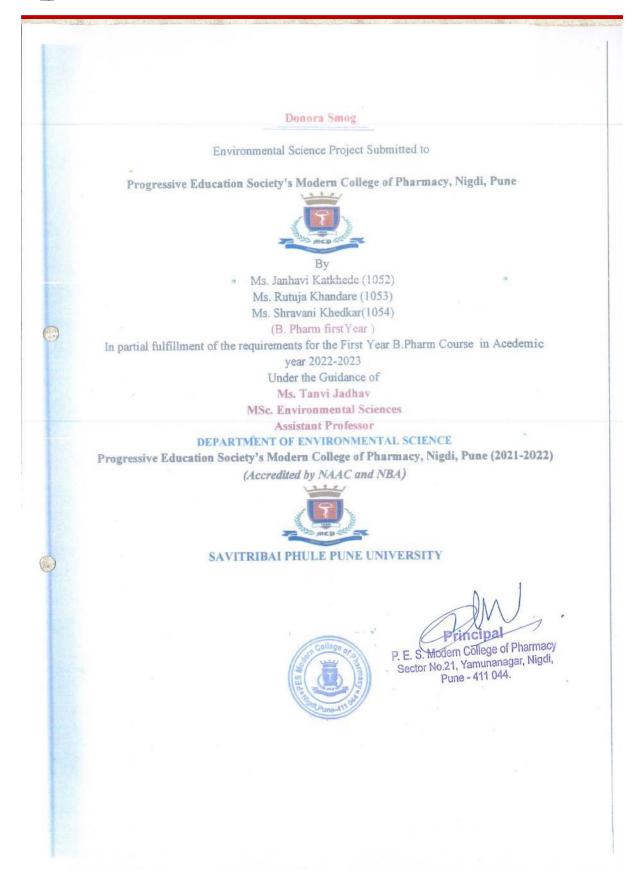






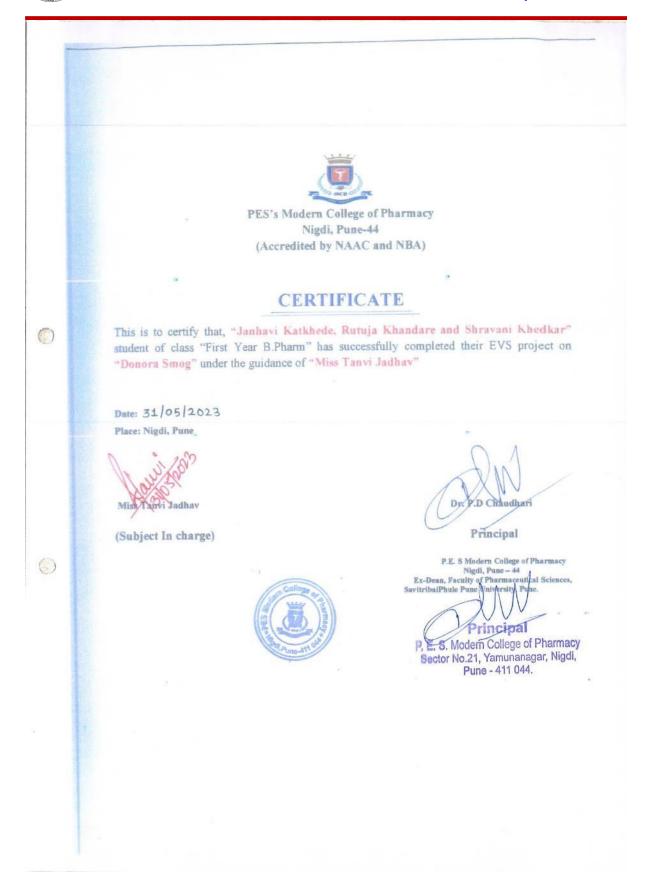






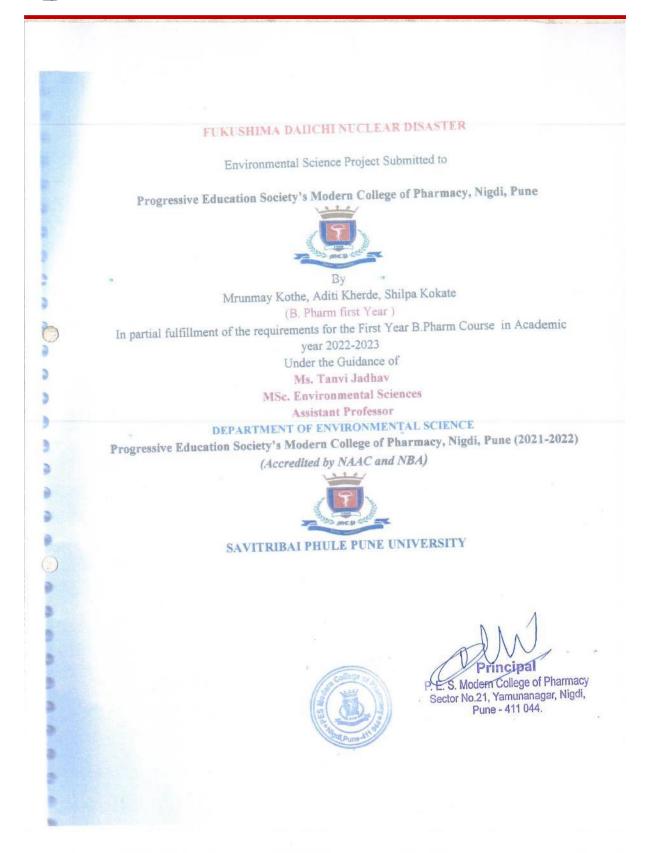






















Melbourne Dust Storm: A Phenomenon of Environmental Impact

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Mr. Vishal Kulkarni

Mr. Kaustubh Kulkarni

Mr. Shreyas Kurhe

(B. Pharm First Year)

In partial fulfilment of the requirements for the First Year B. Pharm Course in Academic Year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

Principal

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





PES's Modern College of Pharmacy Nigdi, Pune-44

(Accredited by NAAC and NBA)

CERTIFICATE

This is to certify that, "Mr. Vishal Kulkarni, Mr. Kaustubh Kulkarni, & Mr. Shreyas Kurhe" student of class "F. Y. Bpharm." has successfully completed their EVS project on "Melbourne Dust Storm: A Phenomenon of Environmental Impact" under the guidance of "Miss Tanvi Jadhav"

Date: 31/05/23

Place: Nigdi, Pune

Miss Tanvi Jadnav

(Subject In-charge)

Det P.D Chaydhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Parte – 144 Ex-Dean, Faculty of Pharmaceutical Sciences SavitribalPhule Pung Manyerith, Pund





Kuwaiti Oil Fires

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



Rν

Ms.Priya Lokhande

Mr.Ninad Londhe

Mr.Nikhil Madake

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic

Year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

or Quarmacy*







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

CERTIFICATE

This is to certify that, "Ms.Priya Lokhande, Mr.Ninad Londhe, Mr.Nikhil Madake student of class "FY BPharm" has successfully completed their EVS project on "Kuwaiti Oil Fires" under the guidance of "Miss Tanvi Jadhav"

Date: 31/05/2023

Place: Nigdi, Pune

(Subject In charge)

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44 Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Runt University, Pune.

Principal

R.E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





Burning of Amazon Forest-2019

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Mr.Omkesh Mahake

Mr.Prasad Maind

Mr. Harshal Manjare

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic

Year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY









PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

CERTIFICATE

This is to certify that, "Mr.Omkesh Mahake, Mr.Prasad Maind, Mr.Harshal Manjare" student of class "FY BPharm" has successfully completed their EVS project on "Burning of Amazon Forest-2019 under the guidance of "Miss Tanvi Jadhav"

Date: 31-05-23

Place: Nigdi, Pune

Miss Tanvi Jadhav

(Subject In charge)

Dr. P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University, Pune.









PROGRESSIVE EDUCATION SOCIETY'S MODERN COLEGE OF PHARMACY NIGDI, PUNE-44(ACREDITED BY NAAC AND NBA)

SAVITRIBAI PHULE PUNE UNIVERSITY

ENVIRONMENTAL STUDIES PROJECT
ON

CORAL BLEACHING

BY

MS.MOHINI MANKAR
MS.PAYAL MARNE
MS.PRAJAKTA MASNE
IN YEAR 2022-23



UNDER THE GUIDANCE OF MS.TANVI JADHAV MA'AM





CERTIFICATE

This is to certify that Ms. Mohini mankar, Ms. Payal marne, Ms Prajakta masne Students of first year beharmacy has successfully completed the research on project of CORAL BLEACHING under the guidance of Ms. Tanvi Jadhav

ENVIRONMENTAL STUDIES -SUB TEACHER) During the year of 2022-23.

Date: 31/05/2023

Place: nigdi ,pune

Miss. Tanvi Jadhav

Dr. P.D Chaudhari

PRINCIPAL

PES.Modern college of

Pharmacy nigdi, pune-44

Ex-Dean, faculty of pharmaceutical

Sciences, Savitribai Phule Pune

University, Pune

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.







1|Page Ocean Acidification Environmental Science Project Submitted to Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune. Miss. Rutuja Mhaske Miss. Bhakti More Mr. Omkar More (B. Pharmfirst Year) In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023. Under the Guidance of Ms. Tanvi Jadhav MSc. Environmental Sciences Assistant Professor DEPARTMENT OF ENVIRONMENTAL SCIENCE Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022) (Accredited by NAAC and NBA) SAVITRIBAI PHULE PUNE UNIVERSITY P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

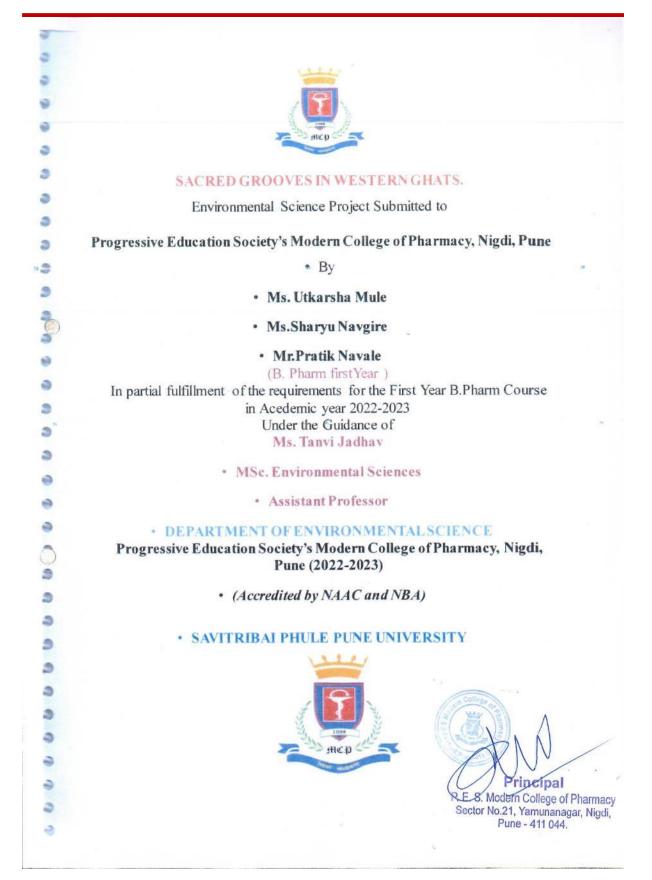


















PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

CERTIFICATE

- This is to certify that, We Ms. Utkarsha Mule, Ms. Sharyu Navgire & Mr. Pratik Navale student of class "F.Y. Bpharm" has successfully completed their EVS project on "SACRED GROOVES IN WESTERN GHATS." under the guidance of "Miss Tanvi Jadhav"
- · Date: 31/05/2023
- · Place: Nigdi, Pune
- · Ms. Tanvi Jadhav
- · (Subject In Charge)

Dr. P.D Chaudhari

(Principal)

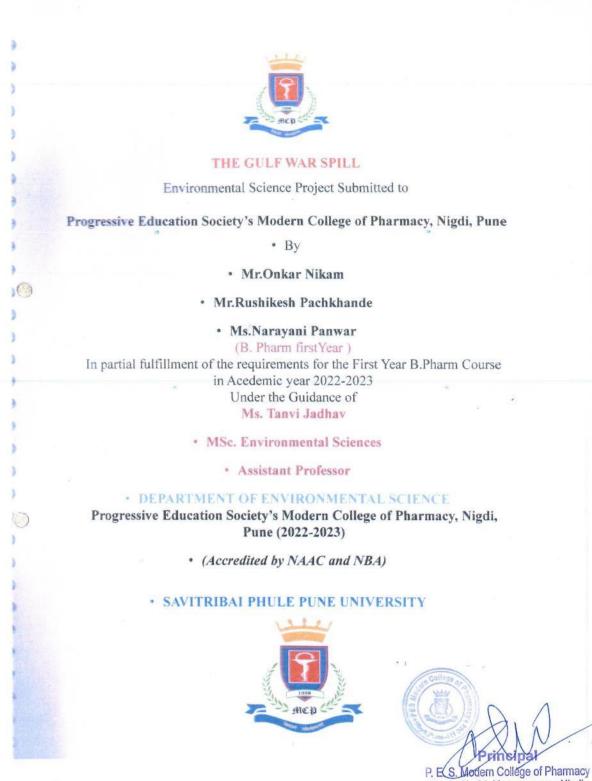
PES's Modern College of Pharmacy Nigdi, Pune-44

Ex-Dean, Faculty of Pharmaceutical Sciences,

Savitribai Phule Prine Universit



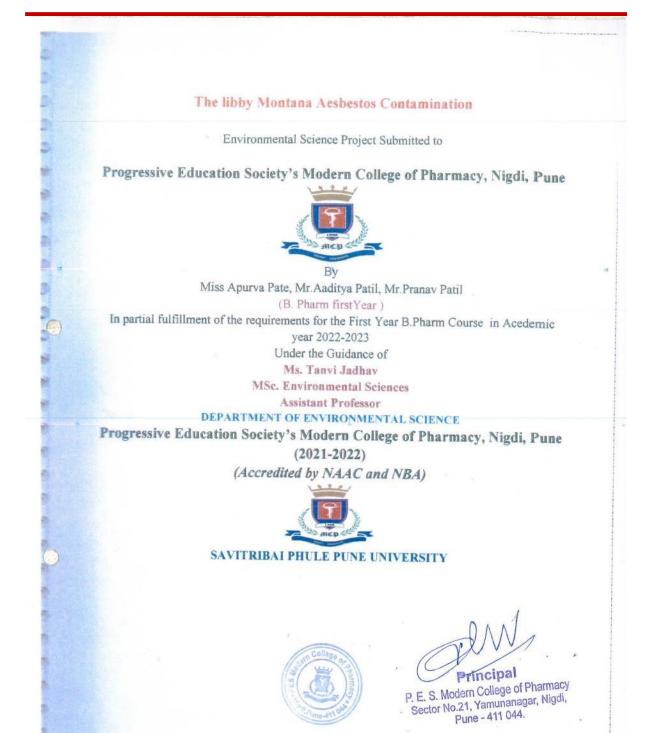












1







(9)



Australian bushfires 2019-2020 Environment Science Project Submitted to

Progressive Education Society's MODERN COLLEGE OF PHARMACY, NIGDI Pune



By

Ms . Durgadevi Mahesh pavse , Yuvradni Harish Patil and Mr. Vaishnav Dadaravo Patil

(B.Pharm First Year)

In partial Fulfillments of Requirements of First year B. Pharm

In academic year 2022 - 2023

Under the guidance of

Ms. Tanvi Jadhav

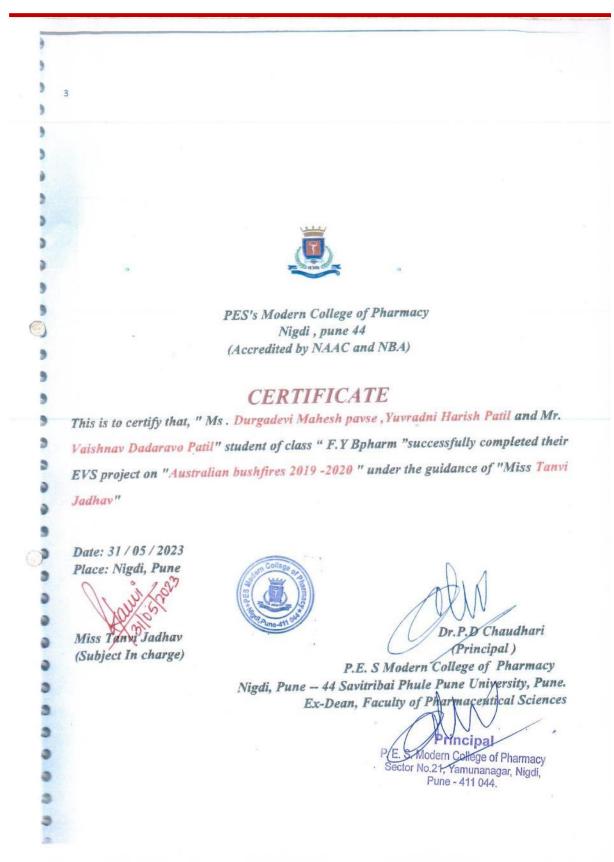
MSc. Environmental sciences

Assistant professor













OIL SPILL IN RUSSIA ARTIC REGION

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By Ms. Rutuja Pole

Ms Chinmayee Potda

Mrs Manish Rane

(B. Pharm first Year)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAL PHULE PUNE UNERVERSITY

College of Pharmac

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.





CERTIFICATE

This is to certify the "Ms. Rutuja Pole, MS. Chinmayee Potdar, Mr. Manish Rane" Student of class Has Successfully Completed their EVS peoject on "OILSPILL IN RUSSIA ARTIC REGION" under the guidance of Ms. "Tanvi Jadhay"

Date: 31/05/2023. Place: Nigdi, Pune.

Miss Tanvi Jadhav

(subject incharge)

P.D Chaudhari (Principal)







CYCLONE NISARGA MH

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Miss Kajal Rathod, Mr. Atharva Raut, Miss. Yashika Rohida

(B. Pharm FirstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of
Ms. Tanvi Jadhav

MSc. Environmental Sciences
Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

College

P. E.S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

1







PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

CERTIFICATE

This is to certify that, "Miss.Kajal Rathod, Mr.Atharva Raut, Miss.Yashika Rohida" student of class "First Year B Pharm Div B" has successfully completed their EVS project on "CYCLONE NISARGA MH" under the guidance of "Miss Tanvi Jadhav".

Date: 31/05/2023 Place: Nigdi, Pune.

Miss Thavi Jadhav

(Subject In charge)

Calloge of Averina of

pr. P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44 Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University, Pune.

P. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

3





Jaitapur nuclear power plant

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



MR.KUNAL SABNE, MR. HARISH SHARMA, MISS. ARISHYA SHIEKH

(B. Pharm First Year)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-2023

Under the Guidance of Ms. Tanvi Jadhav MSc. Environmental Sciences Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY









PES's Modern College of Pharmacy Nigdi, Pune-44 (Accredited by NAAC and NBA)

CERTIFICATE

This is to certify that, "MR.KUNAL SABNE, MR.HARISH SHARMA, MISS. ARISHYA SHIEKH" student of class "First Year B Pharm DivB" has successfully completed their EVS project on "Jaitapur nuclear power plant" under the guidance of "Miss Tanvi Jadhav".

Date: 31/05/2023 Place: Nigdi, Pune.

Miss Fanvi Jadhav

(Subject In charge)

Dr. P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune – 44

Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University, Pune.



P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.

3





1

Assam Gas and oil Leak

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

By

Ms.Priva shelar

Mr. Ganesh Shendge

Ms. Disha Sheregar

(B. Pharm first Year)

The part of the requirements for the First Year Pharm Course in Academic year 2022-2023

Under the Guidance of Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY

Collage or other many was a second of the se











MAN AND ANIMAL CONFLICT

Environmental Science Project Submitted to
Progressive Education Society's Modern College of Pharmacy,
Nigdi, Pune



Ву

Mr Shrikant Shinde M s Ankita Shinde Mr Ayush Shinde (B. Pharm first Year)

In partial fulfillment of the requirements for the First Year B.Pharm

Course in Acedemic year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022) (Accredited by NAAC and NBA)

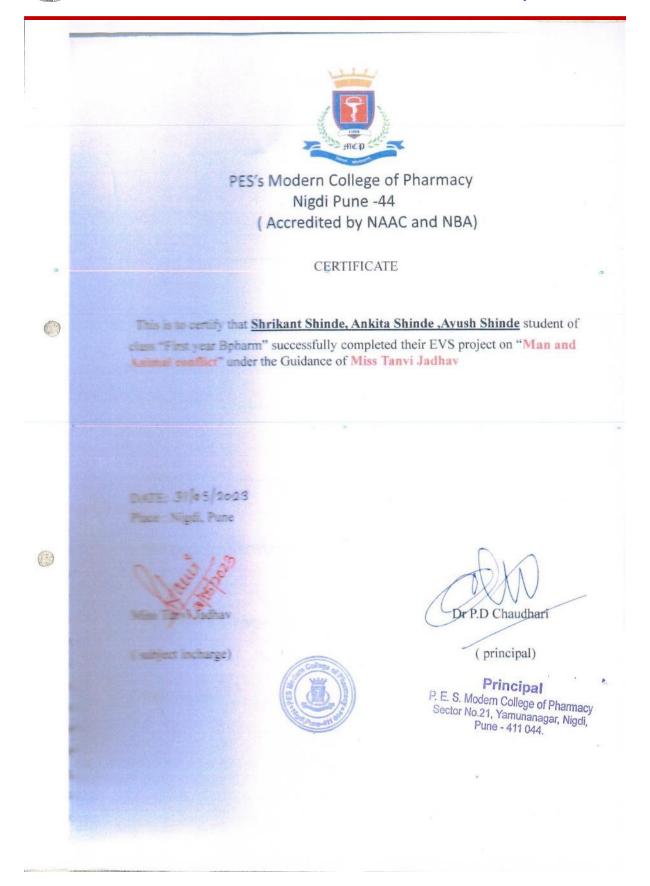


SAVITRIBAI PHULE PUNE UNIVER

College or College or

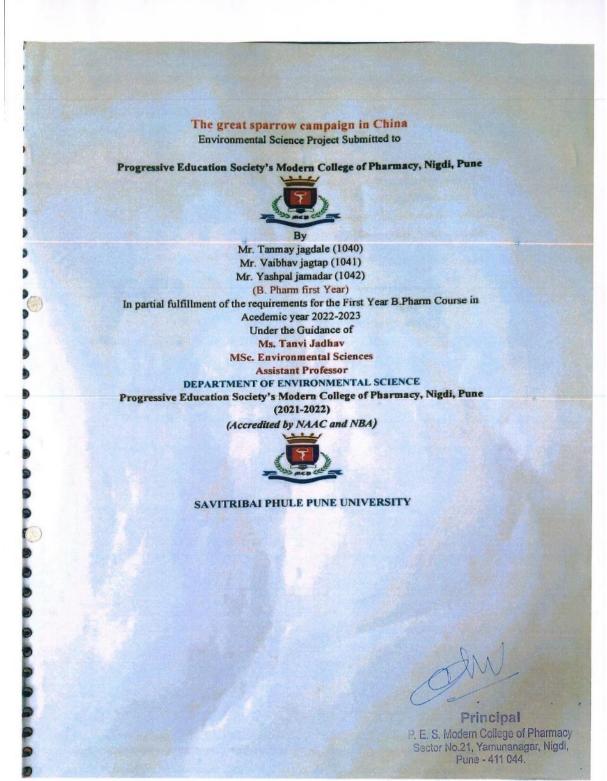








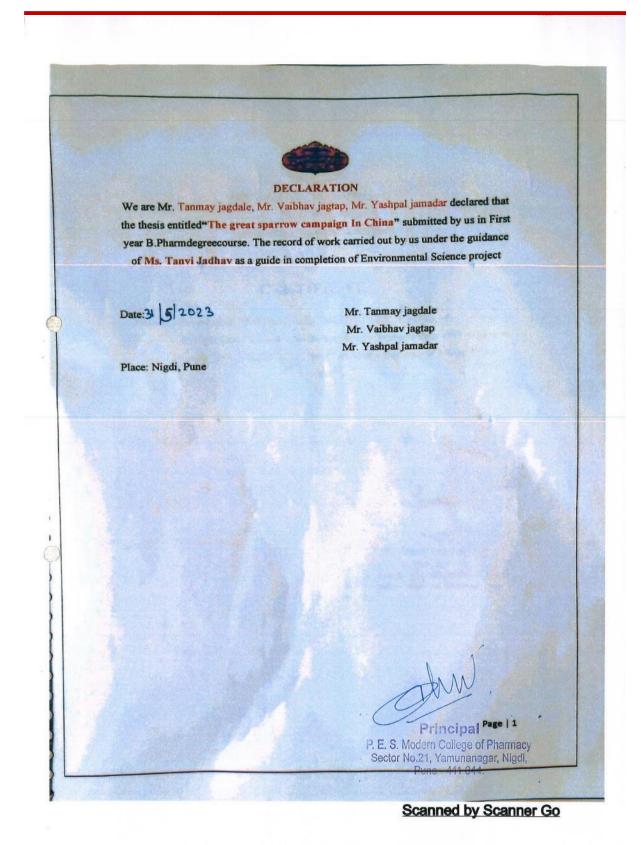




Scanned by Scanner Go

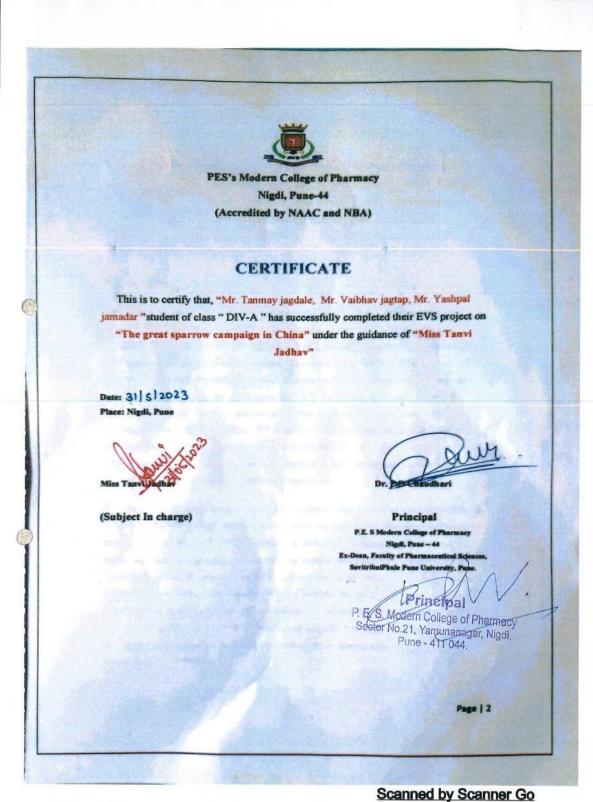
















WESTERN GHATS - UNESCO WORLD HERITAGE SITE

1

Environmental science projects submitted to

Progressive Education Society's Modern College of pharmacy in Nigdi, Pune



By.

Mr Pranav Singh Mr Rohit Sonawane Mrs Vedanti Sudke (B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic year 2022-

2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022) (Accredited by NAAC and NBA)



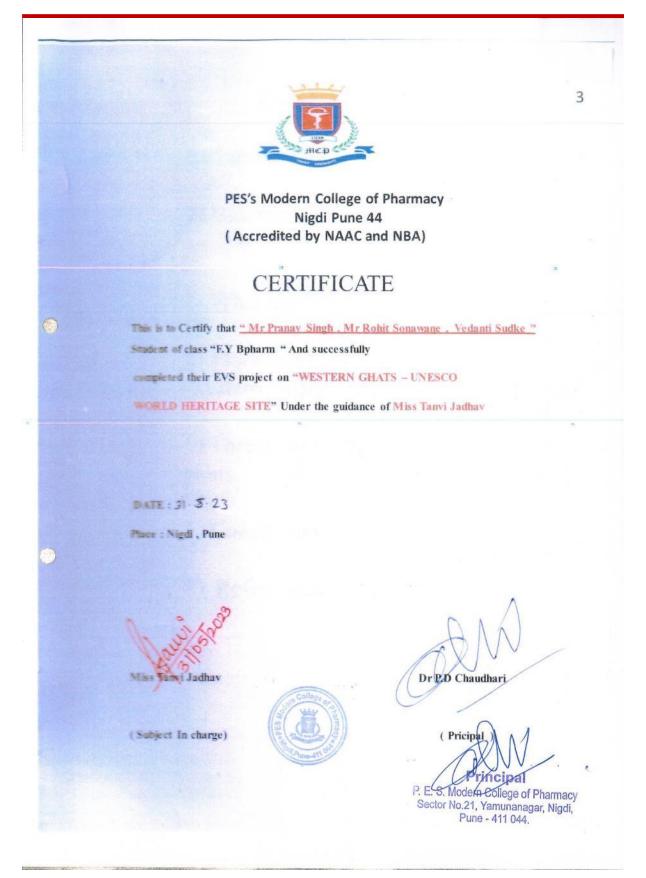
P. E. S. Modern College of Pharmac Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

SAVITRIBAI PHULE PUNE UNIVERSIT













CALIFORNIA WILDFIRE

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Ms. Khatija Tamboli

Mr.Aaryan Tapsale

Ms.Sanika Thombare

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic

year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY



P.E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

1





EVS PROJECT ON

KAAS PLATEAU

UNESCO WORLD HERITAGE SITE



By

Miss.Kirti Thorat Mr.Uddhav Vairat Miss.Shreya vayal

Progressive Education Society

MODERN COLLEGE OF PHARMACY

Yamunanagar, Nigdi, Pune-44

In partial fulfillment of the requirements for the

First Year B.Pharm Course in Academic year (2022-2023)

UNDER THE GUIDANCE OF

Ms.TANVI JADHAV MA'AM

MSc. Environmental Science Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society'

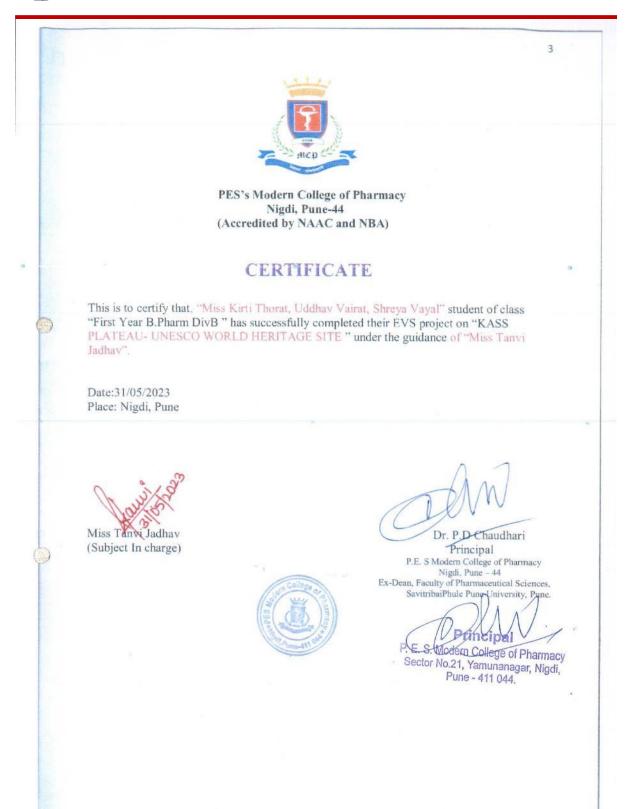
Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC & NBA)

SAVITRIBAI PHULE PUNE UNIVERSITY











Reintroduction of Cheetah in Kuno National Park

Environmental Science Project Submitted to

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune



By

Mr. Sanchay Verulkar

Mr. Gaurang Wadhai

Mr. Harshad Waghmode

(B. Pharm firstYear)

In partial fulfillment of the requirements for the First Year B.Pharm Course in Acedemic

year 2022-2023

Under the Guidance of

Ms. Tanvi Jadhav

MSc. Environmental Sciences

Assistant Professor

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune (2021-2022)

(Accredited by NAAC and NBA)



SAVITRIBAI PHULE PUNE UNIVERSITY



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

1 | Page







CERTIFICATE

This is to certify that, "Mr.Sanchay Verulkar, Mr.Gaurang Wadhai, Mr.Harshad Waghmode" student of class "F.Y.Bpharm" has successfully completed their EVS project on "Reintroduction of Cheetah in Kuno National Park" under the guidance of "Miss Tanvi Jadhav"

Date: 31 | 05 | 2023 Place: Nigdi, Pune

Miss Vany Jadhav

(Subject In charge)



Dr. P.D Chaudhari

Principal

P.E. S Modern College of Pharmacy Nigdi, Pune - 44 Ex-Dean, Faculty of Pharmaceutical Sciences, SavitribaiPhule Pune University, Pune.

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

3 | Page





FIELD WORK

Third Year B. Pharm Industrial Visit to Haffkine Bio-Pharmaceutical LTD

4/9/23 11:54 AM

Gmail - Regarding permission for visit to your esteemed laboratories/ Research Centre



Dr. Vitthal Chopade <vitthalchopade@grnail.com>

Regarding permission for visit to your esteemed laboratories/ Research Centre

Dr. Vitthal Chopade <vitthalchopade@gmail.com>
To: ats@vaccinehaffkin.com, devendra.visokar@gmail.com

Mon, Apr 3, 2023 at 3:50 PM

To The Director/Manager Hæftkine Bio-Pharmaceutical Corporation Limited Vallabh Nagar, Pimpri Colony, Pimpri-Chinchwad, Maharashtra 411018

Subject: Regarding permission for visit to your esteemed laboratories/ Research Centre

Dear Sir/Madam,

The modern college of pharmacy nigdi Pune was established in 1998 by P. E. Society at Yamunanagar, Nigdi in the close proximity of the industrial belt of Pimpri - Chinchwad. Our College is approved by Government of Maharashtra (DTE), All India Council for Technical Education (AICTE) and Pharmacy Council of India. It is permanently affiliated to Savitribai Phule Pune University. College is accredited by NAAC, NBA and recognized under 2f and 12(B) by UGC, New Delhi. College offers B. Pharmacy, Pharm. D and M. Pharmacy courses.

As part of the curriculum of Savitribai Phule Pune University, industrial visit is mandatory for pharmacy student, so as to provide with them the real insight of working procedure of esteemed organization such as yours and to fulfill the curriculum demand, we request you for the industrial visit

Kindly accord permission to visit your esteemed organization either in the forenoon or afternoon session as per your convenience as on any dates between 03/04/2023 to 10/04/2023

Your co-ordination in this regard will not only help the cause of education but will also strengthen the youth of the nation.

Waiting with Anticipation

With regards

Dr V. V. Chopade Industry visit In-charge Mobile no 9545452767 Email: vitthalchopade@gmail.com

Dr. P. D. Chaudhari Principal

Dr. Vitthal V. Chopade, M.Pharm PhD Professor in Pharmaceutical Chemistry, Modern College of Pharmacy Nigdi Pune-44, Approved as PG Teacher and PhD Guide from University of Pune Phone No: 9545452767

https://mail.google.com/mail/u/0/7ik=608142825c&vlew=pt&search=all&permmsgid=msg-a:r4290862124295406338&

Principal



Criteria 1: Curricular Aspects



4/3/23, 4:35 PM

Gmail - Fwd: Regarding Industrial visit at your esteemed organization



Dr. Vitthal Chopade <vitthalchopade@gmail.com>

Fwd: Regarding Industrial visit at your esteemed organization

modern college nigdi training and placement <mcopnigdi.tpo@gmail.com> To: vitthalchopade@gmail.com

Mon, Apr 3, 2023 at 4:19 PM

From: ats <ats@vaccineharfkine.com>
Date: Mon, Apr 3, 2023 at 4:14 PM
Subject: Re: Regarding Industrial visit at your esteemed organization
To: modern college nigdi training and placement modern college nigdi training and nigdi training and nigdi training and nigdi training and nigdi train

!!!Greeting from Haffkine!!!

This is with reference to your e mail dated 03.04.2023 regarding industrial visit, we are pleased to inform that you can visit to our organization on 11.04.2023

Thanking you,

Dr. B. P. Kurhe
Manager ATS,
Haffkine Bio-pharmaceutical Corporation ltd.
old Mumbai Pune Highway
Pimpri Pune- 411018
8830646498

From: modern college nigdi training and placement <mcopnigdi.tpo@gmail.com>

Sent: Saturday, April 1, 2023 4:08 PM To: ats <ats@vaccinehaffkine.com>

Subject: Regarding Industrial visit at your esteemed organization

Greetings from Modern College of Pharmacy Nigdi Pune!!!

Respected sir,

Good afternoon sir, This is in reference to our telephonic conversation.we request you to kindly give us permission to visit your production facility for our B.Pharmacy Third year Students.Total strength of our students is 126. Apart from that four Faculty members will visit the plant.

Dear Sir, we will be grateful to you for your kind help in this regard.We are comfortable with any dates from 10th April to

13th April even whatever dates you can provide us.

Thanking you

Asst.Prof.Devendra L Visokar TPO CELL MODERN COLLEGE OF PHARMACY NIGDI PUNE44 9096694212



P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.

https://mail.google.com/mail/u/0/?ik=606142825c&view=pt&search=all&permmsgid=msg-f:1762151859311302412&simpl=msg-f:1762151859311302412





P. E. Society's Modern College of Pharmacy Nigdi-44

Industry Visit 2022-23

Notice

Date: 08/04/2023

All Teaching faculty, Non-teaching staff and students of B Pharm/M Pharm are hereby informed that, our college has organized industry visit for students, the details of visit are as follows

Name of Place: Haffkine Bio-Pharmaceutical Corporation ltd, Pimpri Pune

Name of class: TYB Pharm Div A & B, SYM Pharm Cology

Date: 11 /04/2023 (Tuesday) **Time for Visit:** 9:45 am

Contact persons during visit

Dr Smita Pimple

Dr V V Chopade: 9545452767 Prof. Prashant Pawar: 7875562252 Mrs. Priyanka Sarda: 72496 52496

Prof Shivraj Mane

Dr. P. D. Chaudhari Principal

Copy to

1. Academic section

2. Class teachers

3. Office

College of Onamacy **



00



PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation ltd, Pimpri Pune

Name of class: TYB Pharm Div B

Date: 11 /04/2023 (Tuesday) Time for Visit: 9:45 am

Sr No	Name of Students	Signature of students	
1.	Abhishek Gokul Shendurkar	A les	
2.	Aditi Sadanand Nagle	Adito	
3.	Ajit Vishvanath Saini	#ishow	
4.	Akash Baburao Pawar	Erse	
5.	Chaitanya Madhukar mali	Eiseli	
6.	Deveshree kiran Patil	Out,	
7.	Ganesh Pandurang Survase	Harry	
8.	Hrishikesh Anil Nikam	W.	
9.	Ishwari Shalikram Masram	T. Que.	
10.	Jay Dashrath Rajgor	do-	
11.	Kajal Ganpat Thete	* Kaja	
12.	Komal D Wankhade	goval	
13.	Mohammad Sameer Rafik Shaikh	2002 ···	
14.	Neha Vijay Nevse	Walk	
15.	Pawan Ramrao Pawar	Daily.	
16.	Prajakta Vikas Satho	Frajakta.	
17.	Pranaya Ramdas Nawale	Promise	
18.	pratham umesh pawar	Aw.	
19.	Prathamesh Rajesh Panzade	le .	
20.	Pratiksha Mahadev Pawar	Havear	
21.	Prerna Dadasaheb Pardeshi	1	1
22.	Prerna Manohar Patil	Protil	1
23.	Riya Shivaji Shirke	Liste	1
24.	Sakshi Pravin Palve	Forve	
25.	Sandesh Bhausaheb Pawar	Tracel	7
26.	Sanika Anand Shelar	and a	
27.	Sarode Vishal Shripati	9 to	
28.	Sarvesh Dilip Kulkarni	Sh-1	_
29.	Shadab Abdul Kadar Shaikh	or phaces	1
30	Shreyas Raghunath Monite	The state of	1X
31.	Shrushti Ananda Landge	P.Els	Hodern Co No.21, Yan





	32.	Siddhi Sudhir Waghule	-Riddh	
	33.	Srushti Dinesh Magade	Saurat	
	34.	Srushti Samir Phand	that !	
	35.	Sukanya Kalyan Vyavahare	Rekanga.	
	36.	Swapnali Laxman Shedge	Swapii	
	37.	Tanuja Ravindra Patil	the state of the s	
	38.	Vaishnavi Dadarao More	amore.	
	39.	Vaishnavi Machindra Shingade	Q.	
	40.	Vaishnavi Prakash Zond	#2 -	
	41.	Vaishnavi Sunil Lokhande	Jan _	
	42.	Vijay Uttam Shinde	Sha:	3
	43.	Vinayakashish Pradiprao Kulkarni	yax.	
	44.	Yash Dattatray Kudale	kudala	
0	45.	Tanpuze Ajinkya	A.	
	46.	6-11		
	47.	Anjali Rajurwar	The state of the s	
	48.	Rutwik Pawas	Rutvik_	
	49.			
	50.	n		
Dr. VV Cho	j.	Pawar, Mrs. Priyanka Sarda, M	Dr. P. D. Chaudhari Principal P. E. S. Modern College of Pharmacy Sector No. 21, Yamunanagar, Nigdi, Pune - 411 C44.	



00



PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation ltd, Pimpri Pune

Name of class: TYB Pharm Div A

Date: 11 /04/2023 (Tuesday) **Time for Visit:** 9:45 am

Sr No	Name of Students	Signature of students	
1.	Piyush Mahesh Adhav	Paller	
2.	Sahil Anil Amble	Sahih	
3.	Hitesh Yashwant Attarde	Alla	
4.	Pradnya Kallyan Autade	(Butade	
5.	Aditya laxman babhalkar	patys	
6.	Snehal Sanjay Bagade	Valence !	
7.	Rohit Anil Baheti	Jely O	
8.	Sakshi Ashok Barangule	Shrshi.	
9.	Sayali Narayan Bhagawat	Rt	
10.	Trupti Sudhir Bhangare	Joseph	
11.	Sohan Narendra Bharambe	Olexa.	_
12.	Vrushali Ravindra Bharate	V. Ritharole	
13.	Ashwini Jijaram Bharmal	AtBhamy	
14.	Sakshi Sandip Bharti	&akshi-	
15.	Aniket Vinod Bhise	Alle	
16.	Devang Ramesh Bhokare	000	
17.	Bhumika Kishor Bhole	Plo -	
18.	Rutuja Subrao Bhosale	Reden	1
19.	Sneha Satish Bhusare	Zulla.	1
20.	Aditi Sanjay Bonde	-ABearelle	1
21.	Anushka Dilip Boraste	Annelia	1
22.	Vidya Dilip Chaudhari	Wedge -	
23.	Chinmayee yuvraj chavan	Diagle	
24.	Pratik Arun Chavan	Pharas	
25.	Siddhi Sangram Chavan	Maren	
26.	Arti Anil Choudhari	tatic	
27.	Prachi Keshav Dadewad	Bund	
28.	Yashraj Ravindra Dhamale	Yoshaj D	
29.	Akanksha krishna dhanawade	Alanka	
30.	Sanket Sanjay Dhangare 98 0/	Sanket	311
31.	Om Kalu Dhengale	a)hengale	
32.	Gayatri Yogesh Dhepe	De potar P. E. S. Mo	Dern College of Pharmac 21, Yamunanagar, Nigdi Pune - 411 044





	33.	Swamini Santosh Dhere	Shead
	34.	Soham Shekhar Doshi	W.
	35.	Shruti Bharat Gadhave	Badhave
	36.	Sudhir Giridhar Gaikwad	Biech
	37.	Vishal Sachin Gangawane	Gargawane
	38.	Ashish Vishnu Garkal	Galcal
	39.	Shreyash Arun Ghuikar	8Aprilae.
	40.	Dipak Pandurang Gonde	talk
	41.	Gore vikas madhukar	GOL
	42.	Bhargavi Govind Govardhan	Be
	43.	Deepti machindra gunjal	Farfal
	44.	Rajesh Munja Gutte	COST.
	45.	Pooja Shankar Hatkar	Rolling
	46.	Onkar Gajanan Jadhav	Hosle
	47.	Pranav Pramod Jadhav	feigh.
	48.	Aditi Pratap Jagtap	AURI
	49.	Chaitali navnath jedhe	Carelle
	50.	Sushil krishna Jha	Sulpt
	51.	Rutuja Changdeo Kadam	Kadam R
	52.	Rajashree Dnyandeo Kale	Pakale .
	53.	Siddhi Siddharth Kamble	Dkande
	54.	Harshda Bholeshankar kamthe	Do miles
	55.	Gauri Pradip karande	GAL
	56.	Akshay chandrakant karpe	Alexander
	57.	Aditya Kumar Kasar	Adityak
	58.	Gaurav pavan kela	Geoloet
	59.	Sakshi Ravindra Khadse	Sekhady-
	60.	Ankita Pralhad Khaire	De
	61.	Prathamesh Nitin Khandge	Broken
劃	62.	Purva Munjaji Korde	(Ante
	63.	Deep Kichorhuman	Dester
	64.	Gautani Santosh Khinvasa	Chinvasan

Faculty: Mr. Prashant Pawar, Mrs. Priyanka Sarda, Ms Sweteja Bhosle, Snehal Gojare

Dr. V V Chopade Incharge Dr. P. D. Chaudhari Nigdi, Erincipal C44.





PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industry Visit

Name of Place: Haffkine Bio-Pharmaceutical Corporation ltd, Pimpri Pune

Name of class: S Y M PHARM PHARMACOLOGY

Date: 11 /04/2023 (Tuesday) Time for Visit: 9:45 am

Sr No	Name of Students	Signature of students
1.	Protikshu Hujare	pict
2.	Ohunashree Katkan	Deathy.
3.	Kajal Pawade	Mila
4.	Prorali Bhardore	Phedo
5.	Prodnya Kallbude	Fhatbuld.
6.	Surabhi shinde	出
7.	Nikita Pawar	Nearly
8.	Guyatri Godekar	Colf
9.	AK anksha tmeitkae	En Exter
10.	PEajakta tambe	Parte
11.	Mood Garkowad	Vertilkney
12.	Ganeth Pote	Posse
13.	Xbhifhele deshmalch	of bhiday
14.	Monsin mansons;	Mey
15.		
16.		
17.		
18.		
19.		
20.		

Dr. V V Chopade Incharge

r. P. D. Chaudhari Principal

Principal







Progressive Education Society's

MODERN COLLEGE OF PHARM

Accredited by NAAC & NBA DST FIST Funded College Best College Award' by Savitribai Phule Pune University

Approved by All India Council for Technical Education, New Delhi, Pharmacy Council of India, New Delhi, Directorate of Technical Education, Mumbai (MS), Permanently affiliated to Savitribai Phule Pune University, Pune & Approved under Section (2 (f) & 12 (B) of UGC Act, 1956

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel.: 020-27661314 / 15

E-mail: mcopnigdi44@gmail.com Website: www.mcop.org.in

Prof. Dr. P. D. Chaudhari M.Pharm., Ph.D. Principal

Prof. Dr. Gajanan R. Ekbote M.S. M.N.A.M.S. Chairman, Business Council P.E.Society, Pune

Ref: mcoP/T2/2022-23/330

Date: 10/04/2013

To The Manager Haffkine Bio-Pharmaceutical Corporation Itd, Pimpri Pune

Dear Sir,

We are thankful to you for accepted our request for Industry visit to our students and faculty members. It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our students on 11/04/2023

We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.

Thanking You.

Yours truly,

Dr. P. D. Chaudhari

Principal

हास्तानक जब-आषवतिर्माण महामंद्रक महा

मियसी, पुने १८

Principal P. E. S. Modern College of Pharmacy STRIVING TOWARDS EXCELLENCE FOREVASTOR No.21, Yamunanagar, Nigdi,

Pune - 411 044.





P.E. Society's Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF INDUSTRY VISIT 2022-23

1.	Name of activity:	Industry visit for Students and Staff	
2.	Name of Industry	Haffkine Bio-Pharmaceutical Corporation ltd, Pimpri Pune	
3.	Date of activity	11 /04/2023	
4.	Total no students	M Pharm - 14	
	participate	B Pharm – 111 Total - 125	
5.	Occasion of activity	Industry Academic Interaction	
6.	Place of visit	Anti Venom Production Department	
7.	Objectives of activity	To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning To get importance of accuracy in practical's experiments How to operate equipments in lab.	
8.	Outcome of activity	This visit gives information & a chance to upgrade their knowledge regarding the current practices, instruments and techniques used in manufacturing of biologicals.	
9.	Training given by	Dr. B P Kurhe	
10.	Name of faculty with students	Dr. Smita Pimple Dr. V V Chopade Prof Prashant Pawar Prof Priyanka Sarda Prof Shivraj Mane	
11.	Activity co- coordinator	: Dr. Vitthal V Chopade	

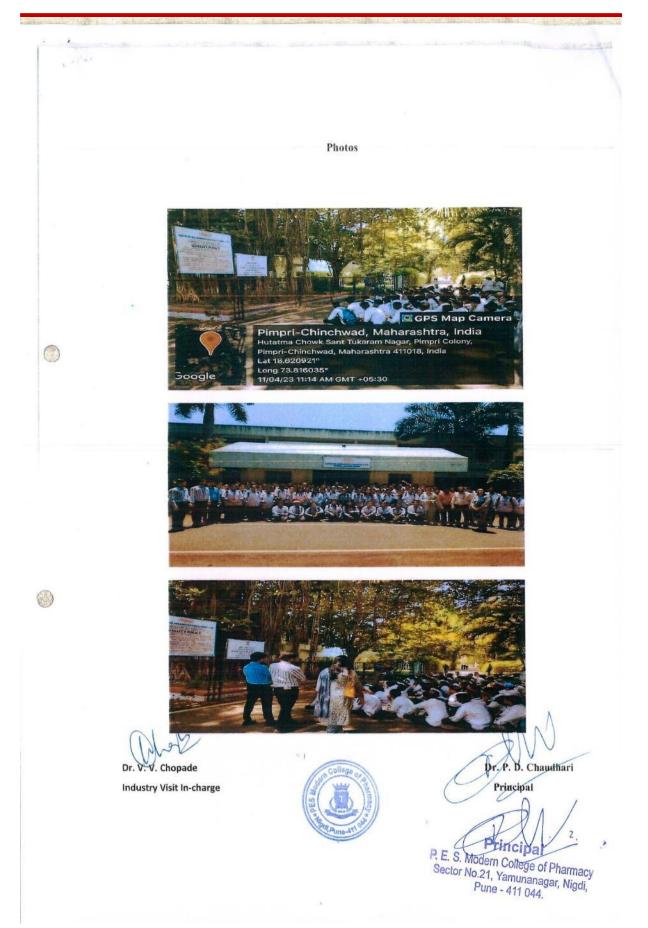
Industry Visit In-charge

Dr. P. D. Chaudhari

Principal



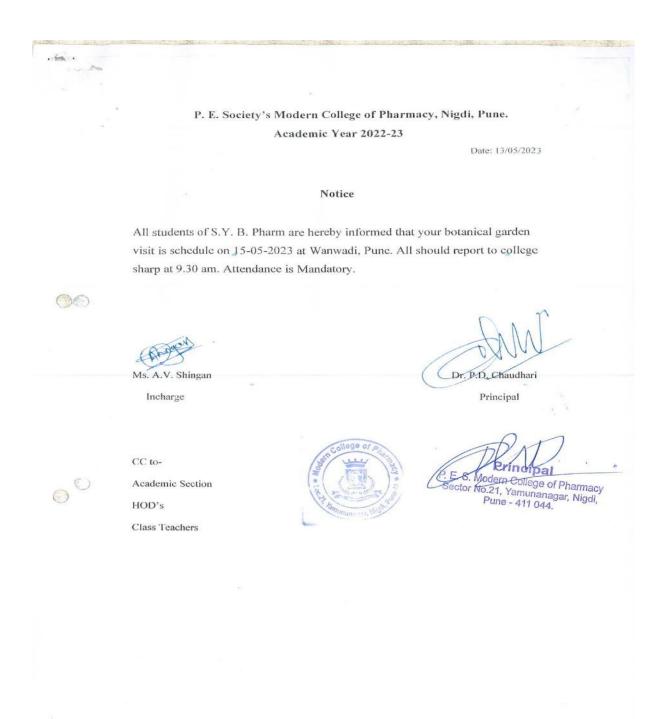








Second Year B. Pharm Botanical Garden Visit





Criteria 1: Curricular Aspects



Following faculties are nominated by principal-Dr. Mohini Kuchekar Dr. Kalyani Kakad Mr. Devendra Visokar Ms. Aarti Shingan Ms. Anita Malusare Ms. Swateja Bhosale 00 S. Modern College of Pharmacy for No.21, Yamunanagar, Nigdi, Pune - 411 044.





Progressive Education Society

Modern College of Pharmacy

Yamuna Nagar, Nigdi, Pune- 44

Date- 15/05/2023

REPORT OF BOTANICAL GARDEN VISIT

1.	Name of activity:	Students Visit	
2.	Topic of Visit	Botanical Garden Visit	
3.	Date of activity	15/05/2023	
4.	Total no Students participated	60	
5.	Name of faculty visited	1. Mr. D. L. Visokar 2. Ms. S. S. Bhosale 3. Ms. A.V. Malusare 4. Ms. A. V. Shingan	
5.	Occasion of activity	Field Visit	
6.	Place of Visit	Empress Gardan, Wanwadi	
7.	Scope & Objectives of Visit		
9.	Outcome of Visit	 Students realised natural flora and fauna in its natural form. Students studied natural habitat and characters of plants found in area. Students were made to identify the plants with their scientific name, family, identifying characters along with their importance. 	
10.	Activity Incharge	Ms. Aarti Shingan	

Ms. A. V. Shingan Name & sign of Incharge College of


00



Progressive Education Society

Modern College of Pharmacy

Yamuna Nagar, Nigdi, Pune- 44

Activity Photos

Botanical Garden Visit



Name & sign of Incharge

Shingan tarti V.





00



Progressive Education Society

Modern College of Pharmacy

Yamuna Nagar, Nigdi, Pune- 44

Date- 15/05/2023

ATTENDACE SHEET BOTANICAL GARDEN VISIT

Sr. No.	Name of Students	Sign
1.	CHAUKATE PRERANA ADINATH	ELLUNA,
2.	CHAVAN ARATI SANTOSH	Anati
3.	DHUMEKAR VEDASHREE ANIL	Ahumkekan
4.	DUDHADE DEVENDRA SANJAY	- udhak #5
5.	GALANDE SHUBHAM VIJAY	Sol
6.	GHOGARE NILESH BALAJI	appace
7.	GOSAVI DEEPALI SHRIKRUSHNA	Orogani.
8.	HIREMATH NIRAJ SHARANAYYA	AG
9.	ISHTE KIRTI DATTATRAY	Kishts
10.	JADHAV RUPESH RAMRAO	Defale-
11.	JOSHI ATHARVA PRAFUL	Shows
12.	KAMBLE ANUSHKA ANIL	AARimble
13.	KAMBLE ANUSHKA ARVINDKUMAR	fault
14.	KANDEKAR TEJAS VIJAY	4000
15.	KAPSE YASH RAJU	Priesc
16.	KHAIRE POOJA SUNIL	Draige
17.	KULKARNI YASH BALKRUSHNA	Phy.
18.	MANE DIGVIJAY BHARAT	whene
19.	MATHAPATI TUSHAR MALLINATH	Miha.
20.	MHETRE SHWETA MOHAN	male
21.	MULLA TAUFIK USMAN	tmaile
22.	NIGADE NIKITA NANASAHEB	3 kita
23.	PANDE AISHWARYA NARHARIRAO	Acc
24.	PATHADE ADITI AMBADAS	Anate -
25.	PHALKE PRATIK KIRAN	Beet
26.	RAUT MAHESH DIGAMBAR	m. Rault
27.	REDDY MAHESH RAJKUMAR	B
28.	SABALE SAHIL MARUTI	Pehil
29.	SAMBARE DATTATRAY SHRIKRUSHNA	The Max







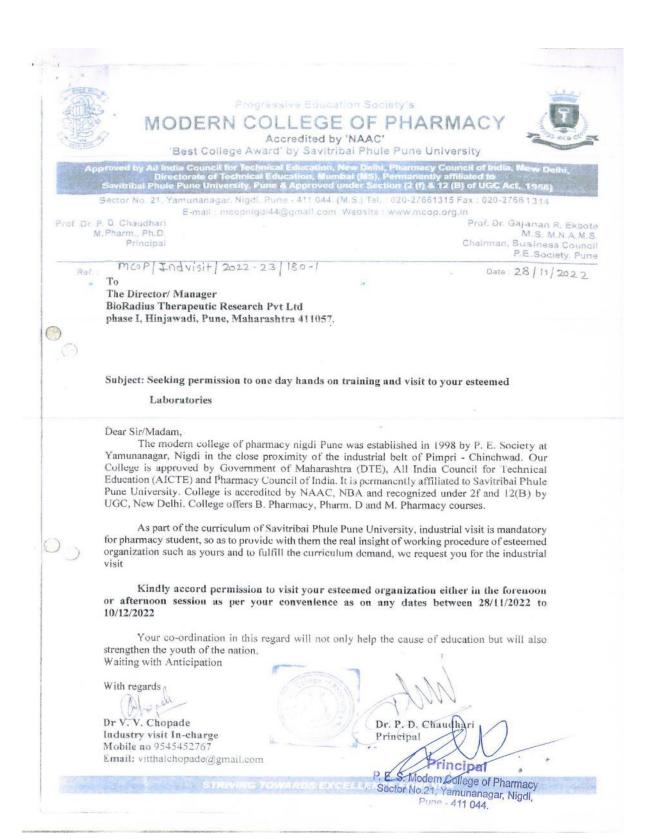
30.	SAPKAL TUSHAR SHRIMANT	Sught
31.	SAWANT OMKAR RAVINDRA	all
32.	SHENDAGE ROHIT JANARDAN	Pahy
33.	SHINDE ROHIT ANANDA	Estunde
34.	SHIRKE VAISHNAVI VISHNU	otthisto
35.	SHIRUDE ATHARVA BHAGWAN	Dirude
36.	SONTAKKE RUTUJA KIRAN	RUS
37.	TALEKAR SANIKA SANJAY	taleKor.
38.	VARAT TUSHAR RAJABHAU	danal
39.	WAKUDE SHRIKRUSHNA SANTOSH	5/Wakudo
40.	WANKHEDE KHUSHI KAILAS	- and anthede -
41.	YADAV AMIT RAJBALI	Aladan -
42.	YEOLE MRUGAJA RAJENDRA	March
43.	ZINJURKE SIDDESH KALYAN	X Harry
44.	BHAGWAT DNYANOBA BOCHARE	dump
45.	BHOSALE SANKET DATTATRAY	Praile
46.	FUNDE GIRISH PRAMOD	Funds
47.	GHADAGE BHAGYASHREE BABASAHEB	Shaggashao
48.	GORE VIKAS AJINATH	Which
49.	HATEKAR JYOTI DADASAHEB	- Froti-
50.	JADHAV PRATIKSHA VILAS	padirary
51.	JAGTAP SAYALI SUNIL	Gaytap -
52.	JAMADADE DHANASHRI SANTOSH	Carride
53.	LASHKARE SANTOSHI LAKSHMAN	- Interane
54.	NAVHALE SAYALI JIVAN	(B) J. Northaly
55.	PATHAK ADITYA SANTOSHRAO	Adite
56.	PATIL GIRISH SUDESH	(Dout)
57.	SHELMUKAR ROHIT PRASHANT	Pahit
58.	SONAWANE SWEETY ASHOK	Swaty
59.	TAVHARE OMKAR SHANTARAM	Ofartake
60.	ZORE JAIE RAMDAS	18K







Fourth Year Pharm-D Industrial Visit at Bio-Radius Therapeutics Research





Criteria 1: Curricular Aspects





Dr. Vitthal Chopade <vitthalchopade@gmail.com>

Seeking permission for visit to your esteemed Laboratories

Sachin Deokar <sachindeokar@bioradiuscro.com> To: "Dr. Vitthal Chopade" <vitthalchopade@gmail.com> Mon, Dec 5, 2022 at 12:13 PM

Cc: "Dr. Krishnaveni Gadiraju" <drkrishnaveni@bioradiuscro.com>, "Dr. Senthil Thyagarajan" <head@bioradiuscro.com>

Dear Sir.

This is to confirm you that your industrial visit can plan on 06 Dec 2002,11:00 AM.



Thanks and regards,

Sachin Deokar, \

Chief Scientific Officer,

BioRadius Therapeutic Research Private Limited,

Plot No.8, IndiaLand Global Industrial Park, Hinjewadi Phase I, Pune Maharashtra, INDIA - 411057.

Email: sachindeokar@bioradiuscro.com

Phone: 020-67789113 Mobile: 9049989561

Web: www.bioradiuscro.com

together with any attachments, are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this message, or any attachment, is strictly prohibited. If you have received this message in error, please notify the original sender by return E-mail and delete this message, along with any attachments, from your computer.

(Quoted text hidden)

pharms Intyear so S. Y.

pharms picology

mpharm picology

kove mader fsweriga-ly

sandellar i P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





P. E. Society's Modern College of Pharmacy Nigdi-44

Industry Visit 2022-23

Notice

Date: 05/12/2022

All Teaching faculty, Non-teaching staff and students of B Pharm/ M Pharm/ Pharm D are hereby informed that, our college has organized one day hands on training and industry visit for students, the details of visit are as follows

Name of Place: BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra 411057.

Time for reach at Industry: 10:40 am

Name of class: Pharm D IV year and M Pharm (Pharmacology) Second year

Date: 06/12/2022 (Tuesday)

Time for departure from college: 9:30 am

Contact persons during visit

Dr Padmaja Kore: 82082 72961

Dr V V Chopade 9545452767

Prof Swateja Bhosle: 70583 66393

Prof Siddhat Sawdekar 99607 22672

Prof. Priyanka Sarda: 72496 52496

Dr. P. D. Chaudhari

Principal

Copy to

1. Academic section

P. E. S. Modern College of Pharmacy Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.



PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industry Visit

Name of Place: BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra

411057

Name of class: M Pharm (Pharmacology) Second year

Date: 06/12/2022 (Tuesday)

Roll no	Name	Signature of students
COL201	Akansha Amritkar	- 8/P
COL202	Pranali Bhandare	Baudet
COL203	Abhijit Deshmukh	But
COL204	Gayatri Gadekar	Bladerae
COL205	Vinod Gaikwad	POT.
COL206	Pratiksha Hajare	Autare P
COL207	Dhanashri Katkar	Kattae.
COL208	Pradnya Khelbude	Khellada PA:
COL209 Mohsin Mansoori		(Dansun)
COL210	Kajal Pawade	= Tual
COL211	Nikita Pawar	Source
COL212	Ganesh Pore	Gora
COL213	Surabhi Shinde	Phyle
COL214	Prajakta Tambe	在

Dr. VV Chopade Incharge Calledo or o

Dr. P. D. Chaudhari Principal





PES Modern College of Pharmacy, Nigdi. Pune-44

Attendance of students for Industry Visit

Name of Place: BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra

411057

Name of class: Pharm D IV year Date: 06/12/2022 (Tuesday)

Roll No.	Name Of Student	Signature of students	
401	BakaleSayaliShivraj	-, 8/2	
402	Bendga Tushar Santya	Ferdago.	
403	BhangeShardulSantoshrao	granded.	
404	Chachar Mihir Sunil	Whendas	
405	Chaturvedi Aakansha Devendra	A. Chaturvedi	
406	Dalvi Aditya Navnath	Polic.	
407	Deokar Saakshi Shrikant	SDeoKal	
408	Desai Sumedh Sanjay	£303 di	
409	DhadgeSavata Sanjay	Bavata	
410	Dhas Vishal Khandu	(B) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
411	Dhawade Siddhi Rajendra	Didelly	
412	Gaikwad Abhijit Atmaram	Americad	
413	HolmukhePayal Ganpat	Payor	
414	Jadhav Pratiksha Anil	Adhav	
415	Jagtap Aishwarya Krishna	Santapa	
416	Jha Tushar Sanjeev Kumar	Ture	
417	Kale Gauri Jagdish	Cora :	
418	Kamble Padmaja Deepak	The state of the s	
319	KhapePayal Sudhakar	aphape	
420	LavateRutika Tukaram	land	
421	LokhandeTallini Dhananjay	Tola	
422	Manocha Vinay Tarun	100	
423	Meher Akshaya Suresh	CHATTE	
424	Mirani Mihir Bharatbhai	of the	
425	Pande Omkar Harihar	OFF.	
426	ParkheTejas Santosh	7mx	
427	Patil Ninad Bharat	North	
428	Patil Pradnya Prakash	goody	
429	Patil Yash Anil	Jan	
430	Rane Pritish Vijay	No.	
431	Shelke Kanchan Arvind	1	
432	Undale Akanksha Kishor	and the second	

Dr. V V Chopade Incharge Samura
Dr. P. D. Chaudhari Principal

Principal







Progressive Education Society's



Accredited by 'NAAC

Best College Award' by Savitribal Phule Pune University

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044. (M.S.) Tel. 020-27661315 Fax: 020-27661314 E-mail: mcopnigdi44@gmail.com Wabsite www.mcop.org in

Prof. Or. P. D. Chaudhari M. Pharm., Ph.D. Principal

Prof. Dr. Gajaman R. Ekbote M.S. M.N.A.M.S. Chairman, Business Council P.E. Society, Pune

Ref. MCOP TL 2022-23 192

Date: 05/12/2022

The Director/ Manager BioRadius Therapeutic Research Pvt Ltd phase I, Hinjawadi, Pune, Maharashtra 411057.

Dear Sir,

We are thankful to you for accepted our request for one day hands on training and Industry visit to our students and faculty members

It was a great pleasure for us to have provided the real insight of working procedure of your esteemed organization for our students on 06/12/2022

We again thank you for sparing your valuable time with us. We are sure that you will always be there to help us at every critical turn and we look forward to continuous association with you in future.

Thanking You.

Yours truly,

Dr V. V. Chopade

Incharge

Dr. P. D. Chaudhari

Principal

P. E. S. Modern College of Pharmacy - Sector No.21, Yamunanagar, Nigdi,

Pune - 411 044.





P.E. Society's Modern College of Pharmacy, Nigdi. Pune-44

REPORT OF INDUSTRY VISIT 2022-23

1.	Name of activity:	Industry visit for students and Staff	
2.	Name of Industry	Bio Radius Therapeutic Research Pvt Ltd Phase I,Hinjawadi, Pune, Maharashtra	
3.	Date of activity	06/12/2022	
4.	Total no students participate	M Pharm -13 Pharma D - 31 Total - 44	
5.	Occasion of activity	Industry Academic Interaction	
6.	Place of visit	Therapeutic Research \ Clinical research Lab	
7.	Objectives of activity	To get analytical knowledge, planning abilities, problem analysis, modern tool usage, professional identity, pharmaceutical ethics, life-long learning To get importance of accuracy in practical's experiments How to operate equipment's in lab.	
8.	Outcome of activity	1. This visit gives information & a chance to upgrade their knowledge regarding the current practices, instruments and techniques used in clinical research industry 2. Students found it very helpful in understanding the actual working of clinical research and various studies conducted in Bioavailability and bioequivalence studies as per ICH-GCP guidelines.	
9.	Training given by	Mr Sachin Deokar	
10.	Name of faculty with students	Dr. P. Kore Dr. V V Chopade Prof Swateja Bhosale Prof Siddhat Sawadekar Prof Priyanka Sarda	
11.	Activity co- coordinator	: Dr. Vitthal V Chopade	

Dr. V. V. Chopade

Industry Visit In-charge

Dr. P. D. Chaudhari

Principal

Sector No.21, Yamunanagar, Nigdi, Pune - 411 044.



Criteria 1: Curricular Aspects





Pune, Maharashtra, India 236/246, Phese 1, Hinjawadi Rejiv Gandhi Infotech Perk, Hinjawadi, Pune, Maharashtra 411057, India Las 18.680788: Long 23.728135*

Photo







Dr. V. V. Chopade Industry Visit In-charge



Dr. P. D. Chaudhari Principal