

*18 years
of excellence*

Panacea



**Progressive Education Society's
MODERN COLLEGE OF PHARMACY**

(Accredited by NAAC)

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

Tel: (020) 27661315, 14 Fax: (020) 27661314

Website : www.mcop.org.in E-mail : researchatmcp@gmail.com



2016

DECLARATION

Form I (vide Rule 3)

Title	: Panacea
Language	: Marathi, Hindi & English
Publisher	: Dr. P. D. Chaudhari (Principal & Professor)
Publisher's Address	: P.E.Society's, Modern College of Pharmacy, Sector No. 21, Yamunanagar, Nigdi, Pune 411 044.
Editor	: Dr. Smita Pimple Dr. Pravin Uttekar
Nationality	: Indian
Editor's Address	: P.E.Society's, Modern College of Pharmacy, Sector No. 21, Yamunanagar, Nigdi, Pune 411 044.

I, Dr. P. D. Chaudhari, Principal & Professor declare that particulars given above are true to the best of my knowledge and belief. The views expressed by the authors are their own contributions and the editorial board is no way responsible for the same.

(For Private Circulation only)

Dr. P. D. CHAUDHARI
Principal & Professor



VISION

"To achieve excellence in pharmacy education, innovative research and provide service to the society and profession."

MISSION

"To impart futuristic learning in pharmacy to develop a pool of professionally competent, ethically sound and skilled pharmacist at par with global standards." ."



QUALITY POLICY

- Q**uest for knowledge
- U**rge to excel
- A**chievement of goals
- L**iaison with success
- I**ntegrity and hard work
- T**ask management
- Y**ardstick of perfection

Pharmacist's Oath

- I swear by the Code of Ethics of Pharmacy Council of India in relation to the community and shall act as an integral part of health care team.
- I shall uphold the laws and standards governing my profession.
- I shall strive to perfect and enlarge my knowledge to contribute to the advancement of pharmacy and public health.
- I shall follow the system, which I consider best for pharmaceutical care and counseling of patients.
- I shall endeavour to discover and manufacture drugs of quality to alleviate sufferings of humanity.
- I shall hold in confidence the knowledge gained about the patients in connection with professional practice and never divulge unless compelled to do so by the law.
- I shall associate with organizations having their objectives for betterment of the profession of Pharmacy and make contribution to carry out the work of those organisations.
- While I continue to keep this oath unviolated, may it be granted to me to enjoy life and the practice of pharmacy respected by all, at all times!
- Should I trespass and violate this oath, may the reverse be my lot!

GOAL

Long Term Goals

- To make Pharmacy education more relevant with current & contemporary needs.
- To impart futuristic learning in niche areas exploring newer vistas.
- To establish academic rapport, linkages and tie-ups with institutes of higher learning and industries.
- To prioritize academic excellence and good governance.
- To develop a pool of proactive, pragmatic, skilled and technically sound professionals.
- To provide an ideal forum for technical, scientific and social deliberations with the stakeholders & society.
- To create centre for excellence with a purpose of knowledge creation and knowledge dissemination.
- To nurture, instill and perpetuate ethics, morals, values, integrity human touch and sense of social responsibility in the students.
- To be amongst the top 10 pharmacy educators in the country.

Short Term Goals

- To equip and train learners with desired qualities.
- To update and up-grade faculty with ever- changing pedagogy.
- To incorporate innovative methods of teaching-learning at par with global standards.
- To provide conducive and cohesive ambience and state of art infrastructure.
- To develop symbiotic relationship between Alumni & college.
- To broaden the area of extension activities for holistic development of learners.
- To strengthen institute-industry partnership to boost entrepreneurial talent.



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MAGAZINE COMMITTEE

Teaching Editorial Board

Dr. Smita Pimple

Dr. Pravin Uttekar

Students Editor

Akshata Kulkarni

Magazine Support Committee

Staff Members

Mr. Sunil Dalvi

Ms. Sapna Kirad

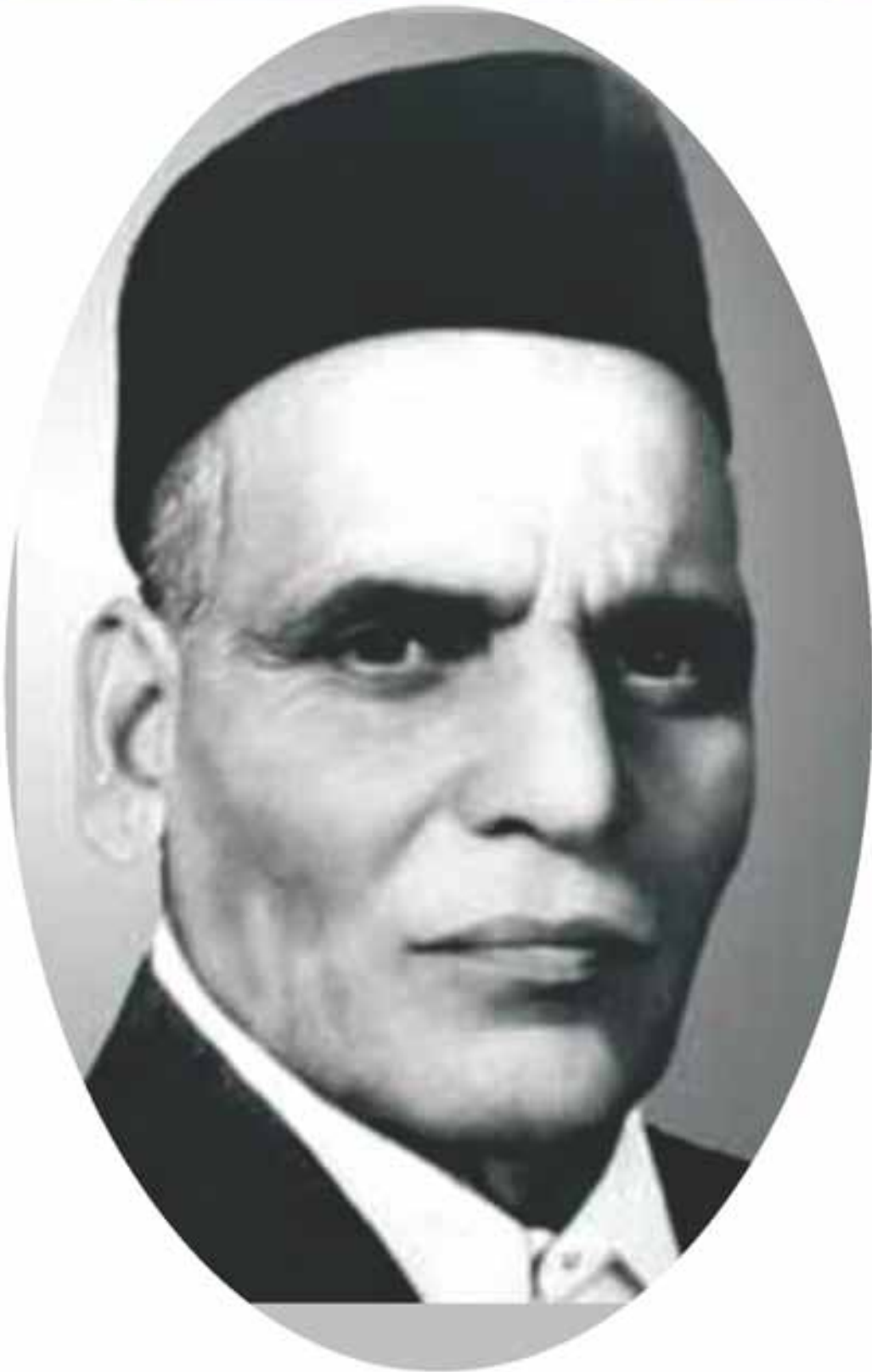
Ms. Harsha Pawar

Students

Naveen Rathod

Pranjal Motewar

Sandeep Kawatikwar



Late Hon. Shnakarraji Kanitkar
The Founder.....

*Chairman's Desk***Prof. Dr. G. R. Ekbote**Chairman, Business Council,
Progressive Education Society
Pune - 411 005

Progressive Education Society, Pune 5 is a renowned Educational Institute established in the year 1934. The society is registered under the Bombay Public Trust Act, 1950 and Societies Registration Act 1860. The said society is functional in the field of education and approx. 45,000 students are taking part in the education process. Progressive Education Society offers education from the Nursery (Marathi & English Medium) to graduate & post Graduate Education in the fields of Arts, Commerce, Science, Engineering, Management, Computer, Science Pharmacy, Life Sciences, Education, Law and Health Sciences Faculty, through its more than 54 institutions in the State of Maharashtra. The Society has an unprecedented profile, since it was started by veteran teachers in 1934 in Pune and the tradition of governance by teachers is retained even today. The two words viz "Progressive" & "Modern" highlight the aims and objects of this reputed educational institution. It is well known for its academic excellence.

Progressive Education Society is a very reputed educational institution and is well known in the state of Maharashtra. The personalities like Br. Vitthalrao Gadgil, Ex Minister, Govt of India, Shri Ashok Kelkar, IAS, Ex Finance Secretary, Govt, of India, Shri P.S. Palande, IAS Officer, Smt. Shanta Shastri, IAS Officer, Smt Rajam Paul, Ex MP etc are some of the reputed and well known past students of Progressive Education Society. I feel great pride and ecstatic in presenting one of our institutions Modern College of Pharmacy, Nigdi, Pune. This is an academic fraternity of individuals dedicated to Progressive & Modern development.

Dear friends, a game of hockey could not be won by just dominating or having possession of the ball most of the time. But it can only be won by converting maximum passes into goals. In a similar way the employability of staff and students of Modern College of Pharmacy, Nigdi is of paramount importance. Enhancement in the career prospects of our staff and students has been our priority. I heartily welcome you all to this center of academic brilliance. I assure that, college will make qualitative and quantitative changes in your life and career.

It is indeed my privilege to write this message for college magazine "PANACEA" 2016 which is being published soon. I am sure that it will be a source of inspiration for the budding pharmacists and writers among students. It will transform their creativity to new dimensions of mature expressions. The publication will also be able to provide information regarding the progress being made by the premier and unique institution in the sphere of Pharmacy Education. I hope you will enjoy this issue of "PANACEA" 2016.

Before I close I would appeal to the Principal, staff members and students of our college to continue with their noble work without any compromise on quality. There is no scope for complacency. Through this message, I wish every success to this institution. I congratulate Principal Dr. P. D. Chaudhari and all teaching & non-teaching staff members for their contribution to this magazine.

At the end, I express my gratitude to our Supreme Creator for having bestowed on us his bounties with a modest prayer on my lips to guard us from all the evils that may befall us.

A handwritten signature in blue ink, appearing to read 'G. R. Ekbote', with a stylized flourish underneath.

Prof. Dr. G. R. Ekbote

Principal's Desk

Dr. P. D. Chaudhari

Principal
P. E. Society's, Modern College of Pharmacy
Nigdi, Pune - 411 044



It gives me immense pleasure to release the next issue of "Panacea: 2016" our college magazine. Progressive Education Society's, Modern College of Pharmacy, having been established in 1998, has shown enormous growth since inception. Under the able guidance of Dr. G. R. Ekbote, Chairman, Business Council, Progressive Education Society, the college has grown to be amongst the top colleges in Pharmacy under Pune University.

In today's fast paced and modernization era, students face vast challenges and competition in the professional field. We have always sought to develop and shape the raw talents in the students to a fine quality through excellent academics, sports, co-curricular and extra-curricular activities. In today's -world, imbuing the humane factor in the cut-throat competitive world has become a necessity, which can be brought about through education. The college magazine is a via media to explore the hidden faculties by students.

Pharmacy being a health related field and sensing the need of the hour, the students are empowered with thorough knowledge and communication skills which help them to serve the society with full potential. Pharmacy encompasses as well as caters to varied sectors of the society, namely Community Pharmacy, Clinical Pharmacy, Regulatory Pharmacy and Pharmaceutical Industries.

College magazine is ideal platform which can be utilized to inculcate all the aforementioned qualities in a student. It is a means to summarize the activities and events conducted in the college as well as felicitating the students for bringing accolades in various fields. 'Panacea' has provided a platform to reach out to the masses and showcase the views and talents of staff and students.

I congratulate the editorial board, all staff and students who have put in unrelenting efforts in the release of "Panacea: 2016".

With Warm Wishes..

Dr. P. D. Chaudhari

Message From

Smt. Pratibha Devisingh Patil

Former President of India,
12th President of India (2007 to 2012),
The first woman to hold the office
India.



Smt. Pratibha Devisingh Patil
Former President of India



“Raigad” Bungalow,
Pashan Road,
Pune - 411 008

Dated: 13th April, 2016

MESSAGE

I am happy to learn that Progressive Education Society's Modern College of Pharmacy, Nigdi is publishing their biannual Magazine 'Panacea' this year. It is also very encouraging to note that this Pharmacy college recently received the Best College Award.

In recent times, pharmacy education and practice has progressed from that of merely dispensing medicines to that of their discovery, design, development and manufacture, and thus it has become an integral part in the development of a holistic system of health care.

On this occasion, I extend my greetings and best wishes to all those associated with the publication of the Magazine 'Panacea'.

Pratibha Patil

(Pratibha Devisingh Patil)

Message From

Dr. Suhas P. Katdare

Senior Scientist, Ecolab,
NAALCO, Dubai.



I am very delighted to hear that Modern College of Pharmacy is publishing "Panacea" a college magazine. Modern College of Pharmacy has taken many new initiatives and launched many co-curricular activities to inculcate interest and professionalism amongst its student. Besides academic teaching, there is welcoming trust on in-house and collaborative research. I congratulate all the staff and non-teaching staff for their efforts.

Dear Students, the field of Pharmacy has always been exciting and there are newer challenges that need to be addressed. Development of alternative medicines with less or no side-effects, alternate drug delivery modes, wellness and cosmetic medicines, all need your creative solutions. There is an urgent need for effective treatment of different types of cancer, diabetes and faster and precise development of vaccines for epidemic viruses such as Zika. Science has become very inter-disciplinary; this magazine will address recent and future trends and will provide a forum to bring forward new innovations and inventions.

I wish the very best in your endeavor and am sure the publication of "Panacea" will be a huge success.

With best regards,

A handwritten signature in blue ink, appearing to read 'S. Katdare', with a horizontal line underneath.

Dr. Suhas P. Katdare
Senior Scientist, Ecolab,
NAALCO, Dubai.

Message From Editors



Dear Readers,

“The power of a waterfall is nothing but a lot of drops working together”

While handing over this beautiful piece of creation to all readers, our feelings are not different than what above quote means. This task was indeed not an easy one but everyone's contribution and efforts made it possible. Our heartfelt gratitude goes to each one of them.

First and foremost, we are immensely thankful to our chairman, Prof. Dr. Gajanan R. Ekbote, P. E. Society, for being a pillar of strength by our side. We are simply running out of words to thank enough Principal Dr P. D. Chaudhari for showing belief in us to shoulder this huge responsibility. We hope that our team has lived upto the expectations and we became successful in creating this masterpiece.

We hope our efforts to provide students a unique platform to showcase their talents and views are coming into reality through this 'PANACEA 2015-16'.

We tried to incorporate every little thread of the success story of this institute in this magazine. We truly appreciate the efforts put by Dr. P. S. Uttekar in designing the magazine this excellent way.

It would have been impossible for us to carry out this task without contribution of our student representative Ms. Akshata Kulkarni and all other student magazine committee members.

We also thank all staff members from the magazine support committee.

Lastly I wish.... May this affectionate bond shall keep us together forever.

Dr. Smita Pimple

Dr. Pravin Uttekar

Editors

Message From Student Editorial Board

Akshata Kulkarni
Student Representative



Dear Readers,

It gives me immense pleasure to pen a few words as prologue to our in-house magazine 'Panacea'. This publication has taken many months in the making and it feels good to finally be here! Before I start, I'd like to take this opportunity to thank all those people without whom this magazine would have not seen the light of the day.

First of all, I would like to mention that I am feeling honoured to be a part of a magazine committee of our college. Our Principal, Dr. P. D. Chaudhari, has been very kind with his indispensable support. Thank you so much for encouraging us.

Panacea provides a platform for budding pharmacists to express their thoughts, creativity and ideas. It is designed to present to its readers the year's events that have gone by; the magazine also showcases the talents of our faculty members and students.

If I were to give another name to this magazine, it would be *Per aspera ad astra* "Through struggle to the stars". This magazine has not been an easy journey. For those who do not know me, I'm in my final year and from where I'm standing, I can see the finish line of my academic career. This college has given me the most memorable years of my life and this magazine is perhaps my way of giving them something back; it's my way of telling the college, thank you for everything.

"Education is not learning of facts, but it is a training of mind to think creatively". With that in mind, I would like to express my appreciation to all authors and students for their creativity and insightful thinking. It is their generous contribution of time and efforts that made this issue possible. At the same time, I would like to thank my parents and staff editor's team who provided me with this golden opportunity.

I hope, you will all enjoy reading this magazine as much as we enjoyed making it.

Akshata Kulkarni
(Student Representative)



OFFICE BEARERS

Sr. No.	Name	Designation
1.	Prof. Dr. G.R. Ekbote	Chairman
2.	Dr. Madhav Shankar Namjoshi	Vice Chairman
3.	Prof. S.S. Deshmukh	Secretary
4.	Prof. Suresh Todkar	Joint Secretary
5.	Prof. Mrs. J.G. Ekbote	Joint Secretary
5.	Prof. Prakash Dixit	Deputy Secretary
6.	Mr. Sharad Inamdar	Deputy Secretary
6.	Prof. Chittaranjan Kamble	Deputy Secretary

GOVERNING BODY

Sr. No.	Name	Designation
1.	Prof. Dr. G.R. Ekbote	Chairman
2.	Prof. S.S. Deshmukh	Member (Trust Nominee)
3.	Prof. Mrs. J.G. Ekbote	Member (Trust Nominee)
4.	Mr. Sharad Inamdar	Member (Trust Nominee)
5.	Ad. Chintamani Ghate	Member (Trust Nominee)
6.	Regional Officer WRO, AICTE, Mumbai	Member (Ex-officio)
7.	Director, Technical Education, MH State, Mumbai	Member (Ex-officio)
8.	University Nominee	Member (Ex-officio)
9.	Dr. S.S. Chitlange	Member (Academician)
10.	Mr. Sachin Itkar	Member (Technologist)
11.	Prof. Dr. P. D. Chaudhari	Member Secretary

LOCAL MANAGEMENT COMMITTEE

Sr. No.	Name	Designation
1.	Dr. G. R. Ekbote	Chairman
2.	Prof. S. S. Deshmukh	Secretary
3.	Adv. C. G. Ghate	Visitor
4.	Prof. Mrs. J. G. Ekbote	Member
5.	Shri. S. D. Inamdar	Member
6.	Dr. Digvijay Ekbote	Member
7.	Dr. S. N. Dhole	Member
8.	Dr. A. A. Phatak	Member
9.	Dr. P. D. Chaudhari	Principal, Member Secretary
10.	Dr. S. B. Jadhav	Teaching Member
11.	Sunil Dalvi	Non-teaching Member

LIBRARY AT A GLANCE

Collection of books & journals

Books	UG	PG	TOTAL
Titles	901	681	1582
Volumes	8001	2543	10544
Journals	28 National & E-Journals of DELNET & Inventi		

Details of Library Books & Journals Department /subject Wise Books & Volumes For B.Pharm (U.G.Course)

No of Titles -901

No of Books-8001

Sr.No.	Subject	No. of Titles	Volume
1	Pharmaceutics	181	2396
2	Pharmaceutical Chemistry	178	2019
3	Pharmacology	143	1405
4	Pharmacognosy	137	1123
5	General	262	1058
	Total	901	8001

For M.Pharm (PG.Course)

No of Titles -681

No of Books-2543

Sr.No.	Subject	No. of Titles	Copies
1	Pharmaceutical Chemistry	210	784
2	Pharmaceutics	178	704
3	Pharmacology	191	680
4	Quality Assurance Techniques	102	375
	Total	681	2543

Investment in Library

Year	Investment (Rs)
2010-2011	6, 94,078/-
2011-2012	7, 00,892/-
2012-2013	6, 06,082/-
2013-2014	3, 01,961/-
2014-2015	2, 91,357/-
2015-2016	2, 46,335/-
Total Investment in library till date 7,071,171/-	

Five Laws in Library Science

- Books are for use
- Every reader his/her books
- Every books its reader
- Save the time of user

- Library is an ever growing repository of knowledge.

Objectives

- To enhance teaching, learning & research activities of the college by creating & maintaining the outstanding repository in printed and digital forms.
- To increase the collection of latest books and journal to support students, researchers and faculty members with relevance to knowledge edge.
- To make library as knowledge repository.

Working Hours

8.00-6.00pm	Monday-Saturday (Expect College holidays)
1.30-2.00pm	Lunch Break

Library Advisory Committee

The College has constituted a Library advisory Committee of teaching Faculty to monitor various activities of library. The committee is constituted as follows-

- Principal - Chairman
- One faculty - Library Incharge (Faculty Incharge of library)
- One faculty - Member
- Librarian - Member
- Assistant Librarian – Member
- Supporting Staff – Member
- One Student of B.Pharm (Best Library User)-Student representative

Library Staff

Mrs. R.H. Yadav – Librarian –B.A.M Lib.Isc
 Mrs. K.A.Pasalkar – Assistant Librarian –B.H.SC .M Lib.Isc
 Mr. R.S.Chaudhari – Supporting Staff –M.A.

Library Services

- Inter Library Loan (ILL with D.Y.Patil College of Pharmacy Pimpri & Akurdi & P.E.S Modern College of Pharmacy for Ladies Moshi)
- Referral Service (BCL & Jaykar Library)
- OPAC
- Autolib software
- Barcode Issuing System
- Computing & Printing
- Reference Collection
- Backdated Bound Journals & Periodicals
- Chemical Abstract (1907-1986)
- Language Laboratory
- Audio-Video Room
- E-Library
- E-mail Service
- E-Display for New Arrivals
- Broadband Internet
- Books CD's issuing
- Book Bank
- Book Loan
- Annually Issuing of Practical Books

- Newspaper Clippings
- Information Board & Scanner
- NPTEL (National Programme on Technology Enhanced Learning)
- DELNET & Inveni e-journals
- Internet with Wi-Fi facility

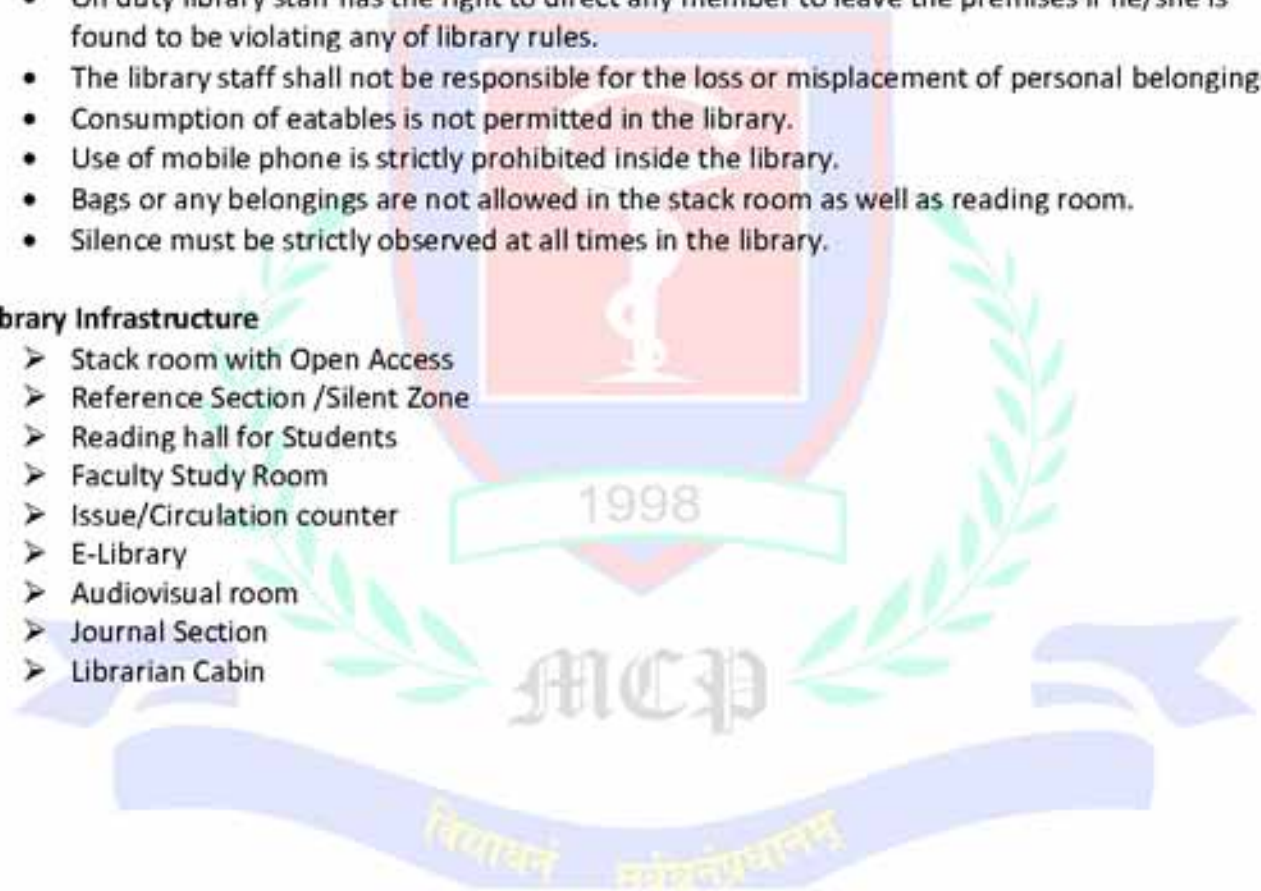
General Rules of the Library

All Member of Library will have to abide by following rules:

- The library users must enter the library with identity card strictly. Without identity card the users will not permitted.
- Any library material borrowed shall be returned in original condition on or before the date of issue.
- The books are issued as per the library policy only. The books marked as 'Reference copy' are to be used within the reading hall only.
- The members shall not write or tamper with library books.
- Reservation of seats in reading hall is not permitted.
- On duty library staff has the right to direct any member to leave the premises if he/she is found to be violating any of library rules.
- The library staff shall not be responsible for the loss or misplacement of personal belongings.
- Consumption of eatables is not permitted in the library.
- Use of mobile phone is strictly prohibited inside the library.
- Bags or any belongings are not allowed in the stack room as well as reading room.
- Silence must be strictly observed at all times in the library.

Library Infrastructure

- Stack room with Open Access
- Reference Section /Silent Zone
- Reading hall for Students
- Faculty Study Room
- Issue/Circulation counter
- E-Library
- Audiovisual room
- Journal Section
- Librarian Cabin



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1. IMPORTANT CONTACT NUMBERS

Section	Name	Contact No
Principal	Dr. P. D. Chaudhari	9850179873
		9011070913
Office Supritendent	Mr. S. M. Dalvi	9823727340
Account	Kunal Masurkar	7276518827
Students Welfare officer	Prof. P. N. Sable	9423250455
Information Officer	Mr. C. K. Shinde	9822828288
Anti raging committee	Prof. M. S. Kamble	9850742534
Student counseling	Prof. A. G. Purohit	9325523534
Academic In charge	Dr. S. B. Jadhav	9922877457
Class Teachers	F.Y.B.Pharm (Prof. A. G. Purohit)	9325523534
	S.Y.B.Pharm (Prof. M. C. Kuchekar)	9970289735
	T.Y.B.Pharm (Prof. K. A. Kedar)	9764012744
	Final. Y.B.Pharm (Prof. M. S. Kamble)	9850742534
Library In charge	Dr. B. P. Pimple	9970830030
Sports In-charge	Prof. A. S. Tapkir	9970646090
Exam In-charge	Dr. V. L. Gaikwad	9890524590
	Prof S. Y. Chaudhari	9403312322
Head of Department	Pharmaceutical Chemistry B.Pharm & M.Pharm Dr. S. B. Jadhav	9922877457
	Pharmaceutics- B.Pharm & M. Pharm Dr. A. A. Phatak	9922007324
	Pharmacology- B.Pharm & M.Pharm Dr. D. D. Bandawane	9822425748
	Pharmacognosy- Dr. B. P. Pimple	9970830030
	Quality Assurance Technique - M.Pharm Dr. K. S. Shaikh	9881865610
NPW Coordinator	Prof. K. A. Kedar	9764012744
NSS Programme Officer	Dr. V. V. Chopade	9545452767
	Prof. A. S. Tapkir	9970646090
	Prof. M. C. Kuchekar	9970289735
Alumni Association	Prof. S. S. Nipate	9421061097
Educational Tour In-charge and Extracurricular Committee	Prof. P. M. Patil	9823720695

2. ADMISSIONS

Year	B. Pharm			M. Pharm		
	Girls	Boys	Total	Girls	Boys	Total
1998	13	26	39	Nil	Nil	Nil
1999	04	18	22	Nil	Nil	Nil
2000	22	22	44	Nil	Nil	Nil
2001	09	31	40	Nil	Nil	Nil
2002	15	45	60	Nil	Nil	Nil
2003	17	43	60	Nil	Nil	Nil
2004	06	54	60	Nil	Nil	Nil
2005	05	54	59	Nil	Nil	Nil
2006	18	38	56	Nil	Nil	Nil
2007	21	37	58	Nil	Nil	Nil
2008	13	24	47	6	4	10
2009	28	31	59	6	14	20
2010	25	22	47	14	32	46
2011	27	33	60	30	32	62
2012	36	24	60	21	20	41
2013	13	46	59	25	13	38
2014	22	38	60	27	25	52
2015	30	29	59	27	31	58



3. ACADEMIC RESULTS

YEAR	B. PHARM & M. PHARM (Name of Student with Percentage)			
2013	F. Y. B. Pharm	1 st Rank	Kajal Bhatt	70.41
		2 nd Rank	Priyanka Manza	68.16
		3 rd Rank	Shefali Dhauskar	67.33
	S. Y. B. Pharm	1 st Rank	Agarwal Himanshu	71.42
		2 nd Rank	Singh Sweety	66.75
		3 rd Rank	Chandgude Prashant	66.66
	T. Y. B. Pharm	1 st Rank	Sharma Seema	74.41
		2 nd Rank	Kulkarni Akshata	71.66
		3 rd Rank	Misal Urmila	70.00
	Final Y. B. Pharm	1 st Rank	Ghule Kaustubh	70.83
		2 nd Rank	Phalke Trupti	68.83
		3 rd Rank	Nigade Priyanka	67.75
	S. Y. M. Pharm	1 st Rank	Desai Ujwala	73.78
		2 nd Rank	Patel Ankita	72.35
		3 rd Rank	Chavan Rohini	72.14

YEAR	B. PHARM & M. PHARM (Name of Student with Percentage)			
2014	F. Y. B. Pharm	1 st Rank	Kamble Sonali	74.18
		2 nd Rank	Mulani Fatehali	72.54
		3 rd Rank	Shinde Sayali	71.90
	S. Y. B. Pharm	1 st Rank	Bhatt Kajalben	72.08
		2 nd Rank	Manza Priyanka	68.25
		3 rd Rank	Sawant Rasika	68.00
	T. Y. B. Pharm	1 st Rank	Agarwal Himanshu	79.08
		2 nd Rank	Dhumal Ashish	76.41
		3 rd Rank	Abhang Sandip	73.91
	Final Y. B. Pharm	1 st Rank	Sharma Seema	80.00
		2 nd Rank	Kulkarni Akshata	76.50
		3 rd Rank	Bharti Swapnil	74.50
	S. Y. M. Pharm	1 st Rank	Sayyad Iramnaj	74.50
		2 nd Rank	Patil Mansi	74.21
		3 rd Rank	Date Namrata	72.35

YEAR	B. PHARM & M. PHARM (Name of Student with Percentage /CGPA)			
	2015	F. Y. B. Pharm	1 st Rank	Gunjal Pradnya
2 nd Rank			Choudhari Shradha	74.00
3 rd Rank			Jagtap Priya	73.68
S. Y. B. Pharm		1 st Rank	Thakar Pradnya	74.91
		2 nd Rank	Uparwat Roshni	74.41
		3 rd Rank	Mulani Fatehali	73.68
T. Y. B. Pharm		1 st Rank	Bhatt Kajalben	72.67
		2 nd Rank	Dhauskar Shefali	72.08
		3 rd Rank	Jambhulkar Mayuri	71.67
Final Y. B. Pharm		1 st Rank	Agrawal Himanshu	73.00
		2 nd Rank	Vishnoi Bhagyashree	72.25
		3 rd Rank	Dhumal Ashish	71.5
F. Y. M. Pharm		1 st Rank	Kulkarni Akshata	5.91 (CGPA)
		2 nd Rank	Sharma Seema	5.91 (CGPA)
		3 rd Rank	Sherekar Divya	5.91 (CGPA)



COMPETITIVE EXAM RESULTS

Year	2015-16	2014-15	2013-14	2012-13	2011-12
UGC-CSIR (NET)		-	-	-	-
GATE		-	-	-	01
GPAT	11	5	09	05	03
Indian Civil Services		-	-	-	-
GRE		1	01	-	-
TOEFL		-	-	-	-
Any Other	CMAT: 01	MBA-CET: 04 CET (M.Pharm): 29 BITS: 02 NIPER: 01 Manipal: 04	MBA-CET: 03 CET (M.Pharm): 14 CMAT: 04 IELTS: 01	MBA-CET: 06 CET (M.Pharm): 19	CET (M.Pharm): 18 MSCIT: 20 NIPER: 01

AVERAGE RESULT

ACADEMIC YEAR	CLASS	PERCENTAGE OF RESULT
2013-2014	First Y. B. Pharm	100
	Second Y. B. Pharm	98.50
	Third Y. B. Pharm	91.03
	Final Y. B. Pharm	96.63
	First Y. M. Pharm	100
	Second Y. M. Pharm	100
2014-2015	First Y. B. Pharm	96.61
	Second Y. B. Pharm	100
	Third Y. B. Pharm	95.71
	Final Y. B. Pharm	81.81
	First Y. M. Pharm	100
	Second Y. M. Pharm	100

• **List of the enrichment courses offered by the institute are:**

1. **Clinical Research Educational and Soft Skills Development Program (CREP)**
2. **Intellectual Property Rights (IPR)**
3. **cGMP and Drug Regulations in Pharmaceuticals.**

• Clinical Research Educational and Soft Skills Development Program (CREP) is a value addition program conducted by MCOPIAN Association, an Alumni Association of Modern College of Pharmacy, Nigdi, Pune.

• Alumni Association of the college started this CREP program, a value addition program in the year 2005 with an objective to increase awareness amongst students about the clinical research field & to provide suitable platform for discussion of new ideas & views in clinical research field along with

new career avenues. CREP program tries to bridge gap between Academics and current requirements of clinical as well as pharmaceutical Industry.

Details of CREP course

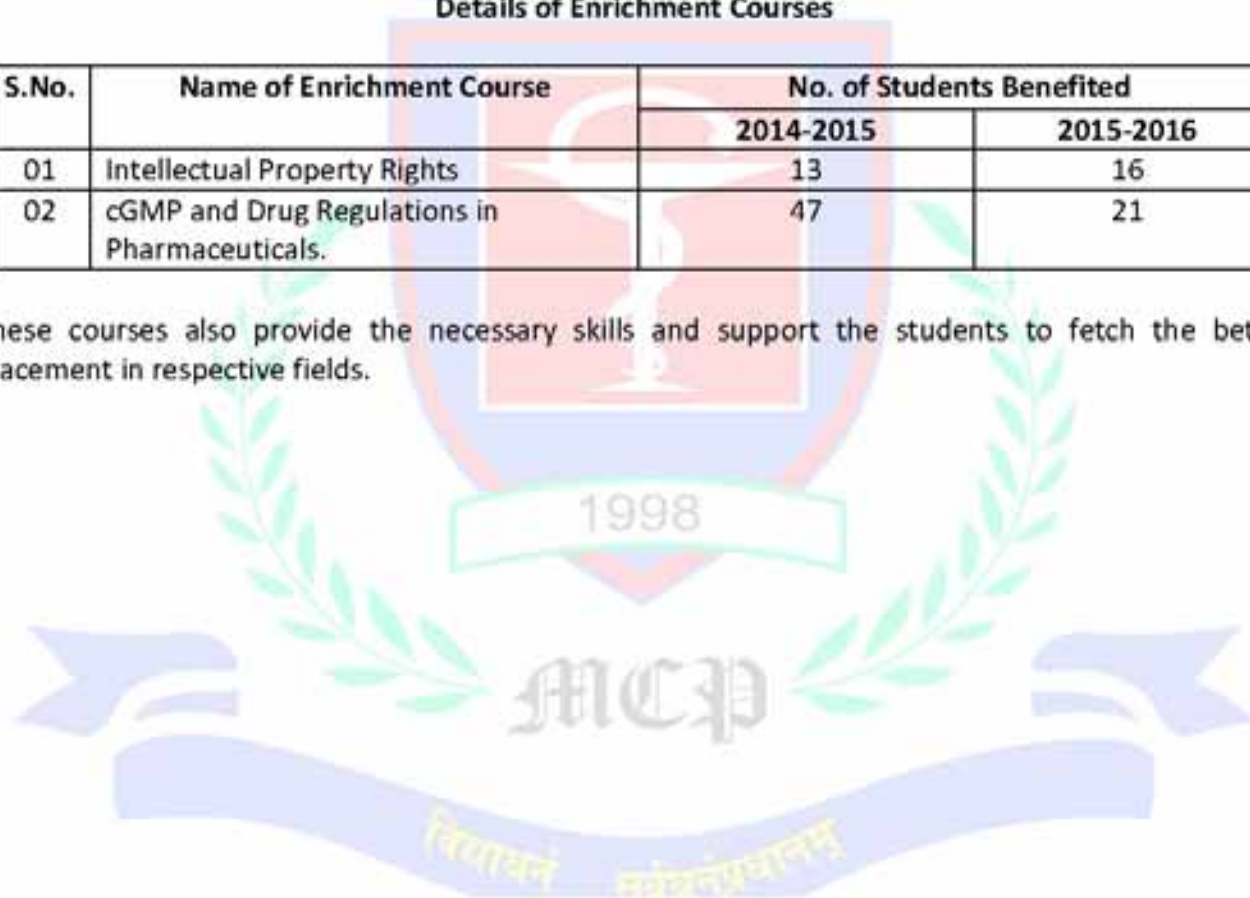
Academic Year	No. of Students Benefited
CREP 2014-15	43
CREP 2013-14	60
CREP 2012-13	50
CREP 2011-12	38
CREP 2010-11	31

- Additionally from year 2009, college has included Business Etiquettes, Student Skills (Personality) Development program in CREP which includes Resume writing, E-mail writing, Communication Skills, Interview techniques, Group discussion, Tele-conference meetings. Every year efforts are made to improve the modules of CREP program. CREP program is 6 months program with 20 modules including Industrial and CRO (Clinical Research Organizations) visits. Third year B. Pharm students are generally enrolled in this program.

Details of Enrichment Courses

S.No.	Name of Enrichment Course	No. of Students Benefited	
		2014-2015	2015-2016
01	Intellectual Property Rights	13	16
02	cGMP and Drug Regulations in Pharmaceuticals.	47	21

These courses also provide the necessary skills and support the students to fetch the better placement in respective fields.



4. RESEARCH WORK

PG Students doing project work

Research projects: Department of Pharmaceutics Year: 2015-16

Roll No.	Name of Student	Dissertation title	Name of guide	Name of co guide
PH 001	Babar Komal Chandrakant	Formulation & Evaluation of α -tocopherol loaded nanostructured lipid carrier	Dr. A.A.Phatak	
PH 002	Chaudhari Rashmi Shashikant	Quantity by Design approach to formulation & evaluation of immediate release tablet.	Dr. S.S.Pimple	
PH 003	Choudhary Neeta Shrirang	Formulation & evaluation of oral dissolving film	Dr. A.A.Phatak	
PH 004	Deshpande Amol Vasant	Formulation & evaluation of antihypertensive extended release formulation	M.S.Kamble	
PH 005	Dhage Manoj Asaram	Formulation & evaluation of in situ nasal drug delivery	P.S.Uttekar	
PH 006	Dhangarmali Vishal Dattatray	Formulation & evaluation of mucoadhesive microspheres of acyclovir	P.S.Uttekar	
PH 007	Inkare Chhaya Sitaram	Formulation & evaluation of liquisolid compact	Dr.K.S.Shaikh	
PH 008	Kamble Ravindra Sidram	Formulation and evaluation of Bilayer floating tablet.	Dr.P.D.Chaudhari	
PH 009	Kapse Rahul Anil	Formulation & evaluation of polymer-drug-nanoclay nanocomposite	Dr. A.A.Phatak	
PHI 010	Kawatikwar Sandip Sudhakar	Formulation & evaluation of compressed mini-tablets as a biphasic delivery system	Dr. V.L.Gaikwad	
PH 011	Kothamire Amruta Sunil	Formulation & evaluation of proniosomal mucoadhesive buccal tablet	M.S.Kamble	
PH 013	Kulkarni Akshata Malhari	Formulation & development of Transdermal patches	Dr. P.D.Chaudhari	P.S.Uttekar
PH 014	Kundalkar Shardul Uday	Solubility enhancement by solid dispersion technique	M.S.Kamble	
PH 015	Lad Smita Baban	Formulation & evaluation of microbeads in DDS	Dr. A.A.Phatak	
PH 016	Motewar Pranjal Prakashrao	Formulation & evaluation of self emulsifying drug delivery system bes class II drug	P.S.Uttekar	

PH 017	Pujari Prakash Shivaji	Formulation & evaluation of bilayered floating tablets of antidiabetic drugs	P.S.Uttekar	
PH 018	Rathod Naveen Govind	Formulation & evaluation of TDDS for wound healing activity	Dr.S.S.Pimple	
PH 019	Rokade Priyanka Dilip	Formulation & evaluation of scleroglucan based wound dressing hydrogel	Dr. K.S.Shaikh	
PH 020	Sharma Seema Natilal	Pelets bared drug Delivery system	Dr. V.L.Gaikwad	
PH 021	Sherekar divya Gajanan	Formulation & evaluation of self microemulsifying drug delivery system of poorly water soluble drug	Dr. V.L.Gaikwad	
PH 022	Sutar Snehal Ramchandra	Formulation & evaluation of tablet in capsule drug delivery system	Dr. P.D.Chaudhari	Dr. V.L.Gaikwad
PH 024	Vetal Nilam Ramdas	Formualtion and Evaluation of drug loaded nanoparticles for pulmonary drug delivery	Prof. U. C. Galgatte	Dr. Rajshekharan

**Department of Pharmaceutics
Ph D. Research Projects 2014-15**

Sr. No.	Name of The Students	Title of Project	Name of The Guide
01	Desai Ujjwala Shivaji	"Formulation and Evaluation of Niosomal In-Situ Gel for Ocular Drug Delivery."	Dr. P. D. Chaudhari
02	More Dhananjay Manohar	"Designing a platform technology for pediatric drug delivery."	Dr. P. D. Chaudhari
03	Kothawade Sachin Namdeo	"Studies on solubility enhancement of poorly soluble drugs by different techniques."	Dr. P. D. Chaudhari

**Department of Pharamceutics
Ph D. Research Projects 2015-16**

Sr. No.	Name of The Students	Title of Project	Name of The Guide
01	Kadam Anant Narayan	Formulation and Evaluation of Microspheric Drug Delivery System"	Dr. P. D. Chaudhari
02	Kumbhar Amol Baban	"Nanocomposite Based Drug Delivery System"	Dr. P. D. Chaudhari
03	Gaikwad Nikita Maruti	"Nanotechnology Assisted Drug Delivery System"	Dr. P. D. Chaudhari
04	Om B. Bagade	"Design Formulation and Evaluation of Nanosponge Drug Delivery System"	Dr. S. N. Dhole

Pharm. Chemistry M. Pharm. Projects Academic Year: 2015 -16

S. No	Name of student	Title of the Project	Name of Guide
1	Monika Mahajan	Development of Stability Indicating Assay method for Lamivudine and Tenofovir in bulk and dosage form using RP-HPLC.	Dr. S. B. Jadhav
2	Apurva Prabhakar	Synthesis and Biological Evaluation of Some Novel Thiophene Derivatives as Antibacterial and Antifungal Agents.	P. N. Sable

**Department of Pharmaceutical Chemistry
Department of Pharm. Chemistry Research Projects Ph. D. 2014-15**

Sr. No.	Name of The Students	Title of Project	Name of The Guide
01	Jagdale Amol Shivaji	"Synthesis and biological evaluation of some Benzofused six membered Nitrogen Containing Heterocyclic derivatives"	Dr. S. V. Amrutkar
02	Patil Tejaswini Dattataraya	"Synthesis and Pharmacological evaluation of Benzofused five membered Nitrogen Containing Heterocyclic derivatives"	Dr. S. V. Amrutkar
03	Savaikar Niyatee Gopal	"Development and Validation of Analytical method for Estimation of API and formulation using Quality by Design (QbD) Approach"	Dr. S. V. Amrutkar
04	Joshi Suhas Vasudeo	"Phytochemical and Pharmacological screening of Neolamarckia candamba and Mirabilis jalapa."	Dr. G. S. Talele
05	Alhat Hemant Pandurang	"Development and validation of Analytical methods for Standardization of some Herbal Formulations."	Dr. G. S. Talele

**Department of Pharmaceutical Chemistry
Department of Pharm. Chemistry Research Projects Ph. D. 2015-16**

S. No	Name of student	Title of the Project	Name of Guide
1	Somdutta Y Chaudhari	Design, Synthesis and Evaluation of some heterocyclic compound as Potential Anti-Alzheimer Agents.	Dr. S. B. Jadhav
2	Bharati Y Chaudhari	Synthesis and Evaluation of some substituted flavones as Potential Anticancer agents.	Dr. S. B. Jadhav
3	Pravin R Jadhav	Synthesis and Evaluation of some 1, 4-Dihydropyridine derivatives.	Dr. S. B. Jadhav

List of Ongoing Research Projects
M. Pharm. Pharmacology
2015-2016

S.No	Name of Student	Title of Project	Name of Guide
01	Ms. Priyanka G. Kokare	Evaluation of antihyperglycemic activity of <i>Pterocarpus marsupium</i> Roxb. leaves in streptozotocin-nicotinamide induced type II diabetes mellitus.	Dr. (Mrs.) D.D. Bandawane
02	Ms. Pallavi G. Kakade	Exploration of antidiabetic potentials of aerial parts of <i>Abutilon indicum</i> Linn in STZ- nicotinamide induced diabetes in rats.	Dr. (Mrs.) D.D. Bandawane
03	Mr. Amol R. Kale	Potential effect of Russell viper venom in cardiovascular disease	Mrs. S.S. Nipate
04	Mr. Prashant A. Pawar	Evaluation of hypolipidemic and Anti-atherosclerotic activities of <i>Acorus calamus</i> linn. on experimental animals	Mrs. S.S. Nipate
05	Ms. Snehal A. Gojare	Evaluation of Immunomodulatory and Antiarthritic activity of leaves of <i>Boerhaavia diffusa</i> Linn. in experimental animals	Mrs. S.S. Nipate
06	Ms. Hemalata V. Dange	Study of Antihyperlipidemic activity of <i>Sterculia foetida</i> Linn in high fat diet fed rats	Dr. (Mrs.) D.D. Bandawane

List of Ongoing Research Projects
Ph. D. (Pharmacology)
2015-2016

S.No	Name of Student	Title of Project	Name of Guide
01	Ms. Neelam L. Dashputre	Evaluation of immunomodulatory activity of some plants of Malvaceae family.	Dr. (Mrs.) D.D. Bandawane
02	Ms. Swati U. Kolhe	Evaluation of nootropic activity of Polyherbal formulation in experimental animals.	Dr. (Mrs.) D.D. Bandawane
03	Ms. Rohini R. Pujari	Study of some phytoconstituents on chemotherapy induced toxicities in laboratory animals.	Dr. (Mrs.) D.D. Bandawane
04	Mr. Satish M. Dhonde	Evaluation of antiasthmatic activity of Indian medicinal plants in animals.	Dr. (Mrs.) D.D. Bandawane

Research projects: Department of Quality Assurance Technoques Year: 2015-16
(On going Projects)

Sr. No.	Name of student	Title	Guide
1	Priti Belure	Developed And Evaluation Of Drug Loaded Polymeric Nanoparticles	U. C. Galgatte
2	Swapnil Bharti	Formulation, Development And Evaluation Of Biodegradable Polymeric Nanoparticles	U. C. Galgatte
3	Shital Biradar	Development And Validation Of Intrinsic Stability Indicating Assay Methods For The Determination Of DPP-4 Inhibitors In Bulk & Dosage Forms.	A. S. Tapkir

4	Nilesh Devsarkar	Method development and validation by HPLC	S. Y. Choudhari
5	Mayur Fegde	Method development and validation by HPLC	M. T. Harde
6	Pranitee Godkar	Development And Validation Of HPLC Method For Determination Of Allopurinol And Its Degradation Behavior Under Varied Stress Conditions	P. M. Patil
7	Anil Inkare	Formulation And Evaluation Of Transdermal Patches	S. S. Pimple
8	Amruta Jadhav	Method development and validation by HPLC	M. T. Harde
9	Kalyni Kulkarni	To Study The Impurity Of Selected Pharmaceutical Compound	V. V. Chopde
10	Shekhar Madke	Development and evaluation of capsule in capsule	V. L. Gaikwad
11	Puja Pandhe	Formulation, Development And Evaluation Of Long Circulating Niosomes	K. S. Shaikh
12	Girish Yendigeri	Development and evaluation of quantum dots	U. C. Galgatte
13	Tushar Zinjad	Development and evaluation of liposomes	K. S. Shaikh



5. RESEARCH PUBLICATIONS

Publications Summary

Academic Year	Research Publication	Presentation/ Conferences	Seminar / Conferences attended
1999-09	32	37	30
2009-10	17	06	51
2010-11	23	11	49
2011-12	39	14	47
2012-13	62	07	18
2013-14	63	03	35
2014-15	21	17	98
Total	257	95	328

Books

Name	Title of Book
Dr. P. D. Chaudhari	Pharmaceutical Validation, Suyog Publication, Pune 2014
Dr. D. D. Bandawane	Pharmacology –II, Tech Max Publication, Pune 2015
Ms. M. C. Kuchekar	Pharmacognosy & Phytochemistry – II Everest Publication
Dr. D. D. Bandawane	Pharmacology –III, Tech Max Publication, Pune 2015

Chapter in Books

Name	Name of Book	Name of Publisher	Year	No. of Chapters
Dr. S. L. Badole	Polyphenols in Human Health and Disease	Academic Press - Elsevier	2014	19
	Bioactive Dietary Factors and Plant Extracts in Dermatology	Humana Press	2013	
Dr. B. P. Pimple	Polyphenols in Human Health and Disease	Academic Press - Elsevier	2014	03
	Bioactive Dietary Factors and Plant Extracts in Dermatology	Humana Press	2013	

Research publications by faculty: Year: 2015-2016

Sr. no.	Author name	Title of paper	Name of Journal	Volume	Page No.	Year
1	Patel Ankita, Bandawane Deepthi, Mhetre Nilam	Flavonoid rich fraction of Punica Granatum Improves early Diabetic nephropathy by Ameliorating proteinuria and disturbed glucose homeostasis in experimental animals	Pharmaceutical Biology, DOI:10.3109/13880209.2014.910533	53(1)	61-71	2015
2	Pallavi Mangesh Patil, Sagar Baliram Wankhede, Pravin Digambar Chaudhari	A Validated Stability Indicating HPLC Method estimation of Clonazepam In the bulk drug and Pharmaceutical Dosage Form	Pharmaceutical Analytica Acta 6:332. doi:10.4172/2153-2435.1000332	6:2	1-5	January, 2015
3.	Pallavi P. Sadanshio, Sagar B Wankhede, Praveen D Chaudhari	A validated stability-indicating hplc method Estimation of ketoprofen in the presence of Preservative in the bulk drug and formulated gel	World Journal of Pharmacy and pharmaceutical sciences ISSN 2277-7105	4(3)	947-966	Jan 2015
4	M. T Harde, S. B. Wankhede and P.D. Chaudhari	A validation inherent stability-indicating HPLC method for estimation of Paliperidone in the bulk drug and pharmaceutical dosage form	World Journal of Pharmacy and pharmaceutical sciences, ISSN: 2278-4357	4(8)	1937-1948	Feb, 2015
5	Minal Harde, Sagar Wankhede, Pravin Choudhari	A Validated Inherent Stability-Indicating RP-HPLC- Dad Method for Estimation of Febuxostat in the bulk and Pharmaceutical Dosage Form	American Journal of PharmTech Research, ISSN: 2249-3387	5(4)	757-767	July 2015
6	Mahendra P Rathod, Shailaja B Jadhav, Priyanka D Satpute	Stability Indicating HPLC Method for Simultaneous Determination of Ofloxacin and Flavoxate Hydrochloride	International Journal of Pharmacy and Pharmaceutical Sciences ISSN 0975-1491	7(8)	331-335	July 2015
7	Kedar Kalyani Abhimanyu, Dr. Chaudhari Sanjay Ravindra, Dr. Rao Shrinivasa Avana	Pharmacognostic And Physico-Chemical Investigation of Bark of Putranjiva Roxburghii Wall (Euphorbiaceae)	International Journal of Pharmacy and Bio ISSN 0975-6299	6(3)	530-538	July 2015

8	Vinod L Gaikwad, Manish s. Bhatia, IndrajeetSinghvi	Experimental and chemoinformatics evaluation of some physicochemical properties of excipients influencing release kinetics of the acidic drug ibuprofen	ELSEVIER	138	494-502	July 2015
9	MinalHarde, SagarWankhede, PravinChaudhari	Development Of Validated UV Spectrophotometric Method For Simultaneous Estimation Of Ibuprofen, Paracetamol And Caffeine In The Bulk Drug And Marketed Formulation	World Journal of Pharmacy and pharmaceutical sciences ISSN 2277-7105	4(09)	1428-1436	Aug 2015
10	Chaudhari P. D., Kendre P. N	Emerging Trends in advance the challenging to oral Nanocurcumin Delivery to improve quality of life of patients suffering from cancer	Indian Drugs	52(09)	22-31	Aug 2015
11	Mohini A. phanse, ManoharJanardh anpatil, KondeAbbulu	Synthesis, characterization and evaluation of the suppression of insulin resistance in type II diabetes mellitus animals by treatment with metal complex	Saudi Journal of Biological Sciences. Thomson reuters Impact factor :1.781	23	420-425	Aug. 2015
12	Upendra C. Galgatte, Umesh M. BhosalePravin D. Chaudhari	Formulation Development, Optimization and in-vitro Evaluation of Glimepiride Lipospheres	Int. J. pharm. Sci. Rev. Res. ISSN:0976-044X	34(2)	157-162	Oct.2 015
13	AtmaramPawar, C. Bothiraja, KarimunnisaShaikh, Ashwin Mali	An insight into cochleates, a potential drug delivery system	The Royal Society of Chemistry	5	81188-81202	Sept. 2015
14	Kedar Kalyani Abhimanyu, Chaudhari Sanjay Ravindra, RaoSrinivasa Avanapu	Application of Digital (Motic) and Scanning electron microscope in histological study of leaf of Tecoma gaudichaudi DC (Bignoniaceae)	Beni-suef university journal of basic and applied sciences Peer review International journal ISSN:2314-8535	5	97-101	2016
15	Nikhil G. Godbole, Upendra C. Galgatte, Pravin D. Chaudhari	Development and In-vitro evaluation of Quantum dots as a carrier for delivery of 5-Flurouracil	Int.J pharm Sci. ISSN:0975-1491	8(1)	289-296	Nov.2 015
16	Pallavi.M.Patil, SonaliD.Rathod, V.V.Chopde	Development and Validation of RP-HPLC Method for the estimation of Sitaliptin Phosphate and Simvastatin in Buil and Pharmaceutical	IJPPR,ISSN:2349-7203	5(1)	90-100	Nov.2 015

		Dosage Form				
17	Mohini A. phanse, ManoharJanardhanpatil, KondeAbbulu	The isolation, characterization and preclinical studies of metal complex of Theapesia peroxisome Proliferator-activated Receptors-γ Agonist activity	Pharmacognosy Magazine Thomson Reuters Impact Factor 1.279 ISSN:0973-1296	11(44)	S434-s438	Dec.2015
18	Mohini A. Phanse, Manohar J. Patil and KondeAbbulu	Pharmacognostic study of Thespesiapopulnea Linn and anti-oxidant activity of isolated aromatic compound and its derivatives	International journal of pharmacy ISSN:2249-1848 Impact Factor:3.926	5(3)	843-851	2015
19	Umesh M. Bhosale, Upendra C. Galgatte, Pravin D. Chaudhari	Development of pioglitazone hydrochloride lipospheres by melt dispersion technique: Optimization and evaluation	Journal of applied pharmaceutical science ISSN: 2231-3354 DOI10.7324/JAPS.2016.600118	6(1)	107-117	Jan.2016
20	Pallavi M. Patil, Sneha S. Kannapurkar	Development and Validation of UV Spectrometric Method for Simultaneous determination of Atazanvir and Ritonavir in its pure pharmaceutical dosage form	IJMPS, ISSN(P):2250-0049.ISSN(E):2321-0095, Impact Factor(JCC): 5.4638, NASS Rating :3.54	6(1)	79-86	Feb.2016
21	Pallavi patil, Ashwini Bobade	Development and validation of Stability indicating RP HPLC Determination of Atorvastatin Calcium pharmaceutical dosage form	International journal of pharmacy and pharmaceutical sciences	8(6)	38-42	2016
22	Pravin Uttekar, Akashata Kulkarni, Pravin Chaudhari	Formulation and evaluation of captopril transdermal patches for the treatment of hypertension.	Der Pharmacia Lettre, ISSN 0975-5071	8(5)	12-16	2016
23	P.D. Chaudhari, Pravin Uttekar, Pranjali Motewar,	Formulation and evaluation self emulsifying drug delivery system for BCS class II drug	Der Pharmacia Lettre, ISSN 0975-5071	8(9)	226-236	2016

Total Publications: 23

6. GRANTS FETCHED FROM VARIOUS FUNDING AGENCIES

Total no of projects: 26

Total outlay in Rs: 1.26 crores

I] Summary of Research Grants sanctioned by different funding agencies

Sr. No.	Year	Sanctioned Amount Rs/-	Funding Agency
1	2006-08	300000.00	BCUD (Board of College and University Development), University of Pune
2	2009-12	1700000.00	BCUD, University of Pune
3	2011-12	700000.00	RPSAICTE (All India Council for Technical Education), New Delhi
4	2011-12	1300000.00	MODROB AICTE
5	2011-13	600000.00	BCUD, University of Pune
6	2012-14	200000.00	BCUD, University of Pune
7	2013-15	610000.00	BCUD, University of Pune
8	2014-15	151879.00	International brain research organization
9	2014-16	3562500.00	UGC minor projects
10	2015-18	1460000.00	UGC major project
11	2015-17	655000.00	UGC minor project
12	2014-16	1360000.00	BCUD, Savitribai Phule Pune University, Pune
Total Rs.		1, 25, 99,379.00 (Rs. One Crore Twenty Five Lakhs Ninety Nine Thousands Three Hundred Seventy Nine only/-)	

II] Summary of Research Grant projects completed of different funding agencies

Sr. No.	Year	Sanctioned Amount Rs/-	Funding Agency
1	2006-08	300000.00	BCUD (Board of College and University Development), University of Pune
2	2009-12	1700000.00	BCUD, University of Pune
3	2011-12	700000.00	AICTE (All India Council for Technical Education), New Delhi
4	2011-12	1300000.00	AICTE
5	2011-13	600000.00	BCUD, University of Pune
6	2012-14	200000.00	BCUD, University of Pune
Total Rs.		4800000.00 (Rs. Fourty Eight Lakhs Only/-)	

III] Summary of Ongoing Research Grant projects of different funding agencies

Sr. No.	Year	Sanctioned Amount Rs/-	Funding Agency
1	2013-15	610000.00	BCUD, University of Pune
2	2014-15	151879.00	International brain research organization
3	2014-16	3562500.00	UGC minor projects
4	2015-18	1460000.00	UGC major project
5	2015-17	655000.00	UGC minor projects
6	2014-16	1360000.00	BCUD, Savitribai Phule Pune University, Pune
Total Rs.		7799379.00 (Rs. Seventy Seven lakhs Ninety Nine thousands three hundred seventy nine only/-)	



7. FACULTY ACHIEVEMENTS AND AWARDS

Year	Name of faculty	Achievements and awards
2015-2016	Dr. P.D. Chaudhari	Pharma HR Society's Principal of the year Award by MAHA APTICON, Nagpur for the year 2015-2016.
		54 th IPC Trust 'Pharmacy Teacher of the Year Award' for the year 2014-15.
2014-2015	Mr. Upendra C Galgatte	Best Teacher Award by Progressive Education Society, Pune-05 for the academic year 2014-15.
2012-13	Dr. D. D. Bandawane	Best Research Paper award by APTI Bangalore on "Antidiabetic and antihyperlipidemic activity of bark of <i>Alstonia scholaris</i> in STZ diabetic rats.
	Mr V.V. Chopade	Best NSS Program Officer Award From University of Pune.
	NSS BEST Unit	Best NSS Unit of Modern College of Pharmacy Nigdi Pune Award From University of Pune.
2011-12	Prof. A. A. Phatak	Best Poster Presentation award 2011-12 For Poster on "Formulations development of nanogel for topical application", National level seminar on Nanotechnology, Nanoscience and Nanoengineering & Applications, Jawaharlal Nehru Technological University, Hyderabad, 27 th to 28 th April, 2012
	Ms. D. D. Bandawane	Progressive Education Society's Ideal Teacher Award for the year 2011-12.
	Mrs. P. P. Bhishnukar	Progressive Education Society's Best Non-teaching awards for the year 2011-12
2010-11	Dr. P. D. Chaudhari	IDMA AWARD 2011 For Best Research Paper in Pharmaceutics: Stabilization of amorphous form of poorly water-soluble drug and hence solubility Enhancement using Polaxomer-188 and Gelucire-50/13, Indian drugs, 48(2), Feb 2011.
2009-2010	Dr. P. D. Chaudhari	Rashtriya Gaurav Award 2010 By India International Friendship Society, New Delhi For Outstanding Performance, Remarkable Role and Meritorious Services.
	Mr. A. S. Tapkir	Best Poster award : Drug metabolism & Pharmacokinetics Symposium: Application towards Drug discovery & Development, NIPER, Mohali, India, Feb-27-28.
2008-2009	Dr. P. D. Chaudhari	Dr. R. L. Nicore Award 2009 for the best research paper in pharmaceutics "Design and Evaluation of Bilayer Floating Tablets of Tizanidine Hydrochloride, IJPER 2008, Vol. 42 (1), Jan-Mar, 2008, Pp-36-47.
	Dr. P. D. Chaudhari	Recipient of MPA award 2008 by Maharashtra Pharmacist Association for contribution in pharmacy

		education.
	Ms. S. B. Jadhav	Progressive Education Society's Ideal Teacher Award for the year 2008-09
	Mr. A. S. Tapkir	Second prize for poster presentation Title: Evaluation of the activity of cytochrome P450 2A6(CYP2A6) in normal healthy, adult western Indian population by phnotyping at Second International conference on Drug discovery & Development, South Asian Chapter of AACP, Mumbai, India October, 2008.
2007-2008	Prof. A. A. Phatak	Progressive Education Society's Ideal Teacher Award for the year 2007-08



8. GUEST LECTURES

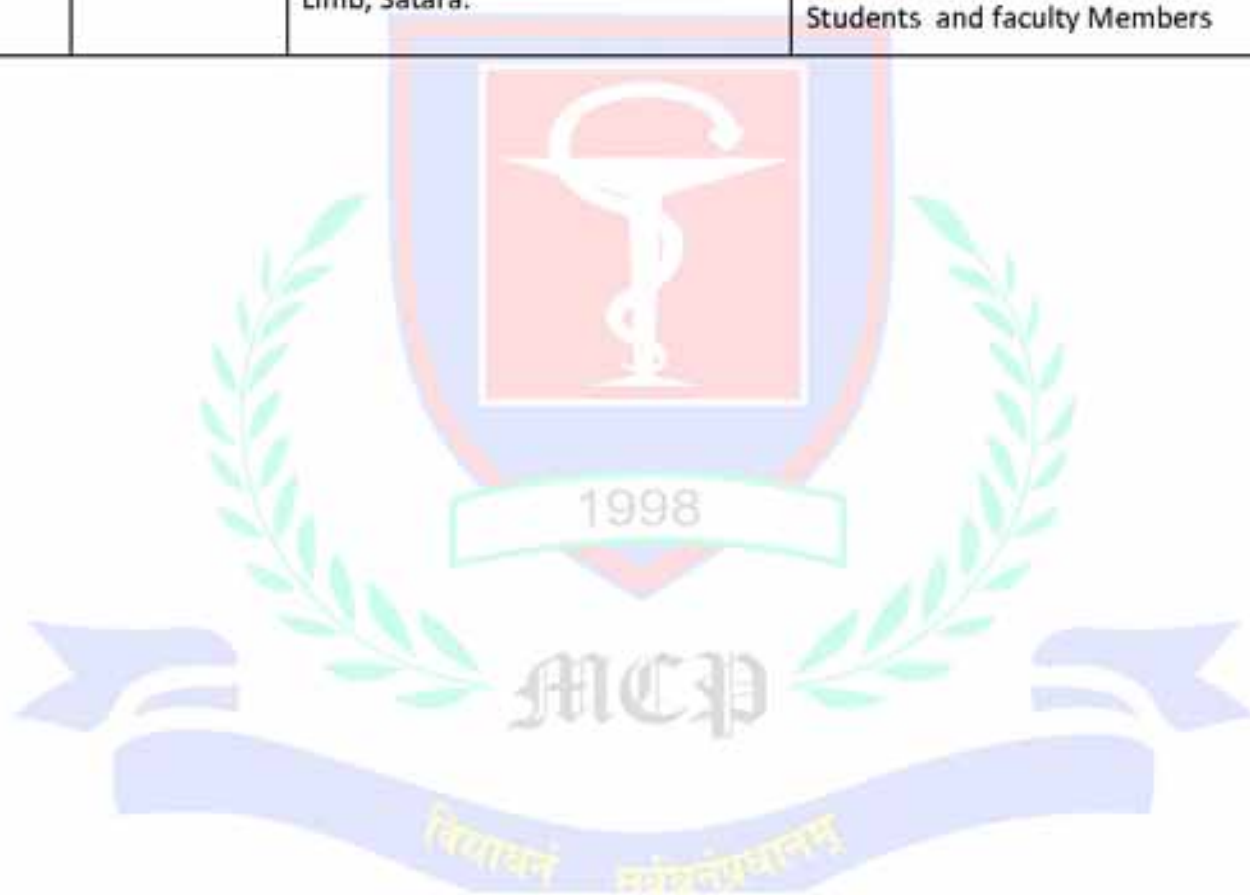
Year 2014-2015

Sr. No.	Date	Name of guest Faculty	Topic
1	22/07/2014	Prof. Shraddha Shaparia Graduate Student Relations Coordinator Department of Pharmaceutical sciences Campbell University. Buies Creek, USA	Education Opportunities at US universities For B. Pharm. T. Y. and Final Yr. and M. Pharm. Students.
2	06/08/2014	Dr. Suvarna Deshpande GMP and Management trainer. Pune.	Importance of GMP and regulatory affairs For B. Pharm. Final yr. and M. Pharm. Students and Staff
3	28/08/2014	Mr. Sachin Pimple Marketing Manager, Vedant Equip Sales And Service Pvt. Ltd. Pune.	Self Motivation skills For Students of B. Pharm. First year and Second yr.
4	28/08/2014	Prof. Dr. Sudhir Ujalambkar Modern College of Arts, Commerce and Science, Shivajinagar. Pune	Accidental Discoveries. For Students of B. Pharm. First year and Second yr.
5	09/01/15	Prof. Ramya S. ITM Group Of Institutions, Mumbai	GDPI Techniques. For B. Pharm. Third and Final Year students.
6	21/02/15	Mr. Milind Sahastrabudde Advocate, Pune. Workshop sponsored by Savitribai Phule Pune University	Gender sensitization and rules and regulations pertaining to women For all girl students and ladies staff members
7	11/05/15	Mr. Dhananjay More Emcure Pharmaceuticals Ltd. Pune	Avenues in NDDS research For M.Pharm. students
8	11/05/15	Mr. Amit Ajab Emcure Pharmaceuticals Ltd. Pune	Technical writing and presentation skills For M.Pharm. students

Year 2015-2016

Sr. No.	Date	Name of guest Faculty	Topic
1	31/08/2015	Prof. Anil Dandekar Retd. Principal, MIT College Pune.	Disaster management For B. Pharm. Third Year students.
2	1/09/2015	Prof. Anil Dandekar Retd. Principal, MIT College, Pune.	Disaster management For B. Pharm. Third Year students.
3	03/09/2015	Prof. Rajendra Marathe Associate. Prof. , Aurangabad	NMR spectroscopy and Problems based on it. For all M. Pharm. Students.
4	03/09/2015	Prof. Shailaja Sangle Social Worker and Active Lions Club Member, Pune.	Self defense techniques For all girl students and ladies staff members

5	05/09/2015	Prof. Anil Dandekar Retd. Principal, MIT College, Pune.	Disaster management For Students of B. Pharm. Third year and Second yr.
6	30/09/2015	Mr. Aniruddha Mahajan TCS manager. Grace Davison Chemicals India Pvt. Ltd. Pune.	Modern Techniques in Flash Chromatography For B. Pharm. Final yr. and M. Pharm. Students and faculty Members.
7	05/10/2015	Mr. Avinash Mokashi Retd. Police Officer and Active Lions Club Member, Pune.	Cyber Crime For Students of B. Pharm. Second yr.
8	05/10/2015	Mr. Yogeshwar Kasture Trainer and Consultant, Pune	From productivity to effectiveness. For faculty Members.
9	20/10/2015	Prof. Raje Vijay N. Principal, Gaurishankar Pharmacy College, Limb, Satara.	Positive Personality and confidence build up For B. Pharm. First and Second year Students and faculty Members



9. SEMINAR AND CONFERENCES

Sr. no.	Topic	Resource Persons	Sponsored by	Year
1.	Opportunities In Natural Product Formulation Research	Mr. Rahul Phate Dr. D. G. Naik Dr. Vinod Kuber Dr. Mukund Sabnis Dr. Ajay Namdeo Dr. Gaurishankar Aland	Savitribai Phule Pune University	2015-16
2.	Current Aspects in Chemical Synthesis and Spectral Data Interpretation	Dr. R. K. Nanda Mr. Sameer Chaudhary Dr. M. N. Deodhar Dr. K. R. Iyer Dr. Krishnapriya Mohanraj Dr. (Mrs) Vaishali A. Shirsat	Savitribai Phule Pune University	2015-16
3.	Current aspects of technology transfer and (Quality by design) QbD in pharmaceutical research	Dr. Jitendra Bawaeja Mr. Shrikant Dhavale Dr. Sanjay Boldhane Dr. Subhashis Chakraborty, Dr. Sajeev Chandran Dr. Sanjay Wagh Mr. Rajendra Bandgar Mr. Vardhaman Bafna Dr. Suvarna Deshpande	Savitribai Phule Pune University	2014-15
4.	Current avenues in Pharmacology Research	Dr. Nitin Salvi Dr. S.B. Kasture Dr. N.S. Vyawahare Dr. Prasad Thakurdesai Dr. Rahul Somani Mr. Milind Gholve, Dr. Mukul Pore	Savitribai Phule Pune University	2014-15
5.	5 S	Mr. Bhupesh Mali, Training Officer, Quality Control Forum of India, Pune	Self sponsored	2013-14
6.	Role of value based education and participation of youth in shaping the future of India	Dr. P. N. Shelke, Dr. Sanjay Chakane, Dr. S R Pacharne, Dr. S U Jadhawar,	Savitribai Phule Pune University	2013-14
7.	Seminar on "Understanding the Credit and GPA system"	Dr. Ms Sampada Joshi, Dr. K.N. Gujar Dr. Bhushan Patil Dr. P D Chaudhari	Savitribai Phule Pune University	2013-14
8.	Workshop for College Examination Officer	Dr. K C Mohite Mr. Bhadakwade Dr. P D Chaudhari	Savitribai Phule Pune University	2012-13

9.	Value Education	Dr. Shakera Inamdar Dr. Bhagwan Mali Dr. Prabhakar Ghodke Mr. Bhanupratap Barge	University of Pune	2012-2013
10.	Advances in Chromatography: A Practical approach	Dr. R. K. Nanda Dr. Sathiyararyana Dr. Krishna Iyer Dr. Vaishali Shirsat Mr. A. Charegaonkar Mr. Manesh Jagtap Dr. Parag Gide	University of Pune	2011-2012
11.	Pharmaceutical Research, Regulation, Practice and More	Dr. Sanjay Boldhane Dr. S. Chakravorty Dr. Pravin Kamble Mrs. Sneha Joshi Dr. Abhijit Ghotoskar Mr. Pankaj Shinde	University of Pune	2011-2012
12.	Clinical Research: A new Avenue for Pharmacist	Dr. Amey Mane Dr. Suresh Bowalekar Dr. Vishwas Sovani Mr. Sachin Itkar	Indian Council of Medical Research	2010-2011
13.	Nano Technology: A New Perspective in Pharmaceutical Research	Dr. A. P. Pawar Dr. Gitanjali Chimote Dr. Rajeev Chikate Dr. C. R. Kokare	Indian Council of Medical Research	2010-2011
14.	Recent Trends in Novel Drug Delivery Research	Dr. S. Boldhane Dr. J. Khandare Dr. S. Chandran Dr. N. Biswas Dr. P.D. Nikhat	University of Pune	2009-2010
15.	Challenges and Opportunities in Pharmaceutical Research	Dr. R. K. Nanda Dr. A. P. Pawar Dr. P. A. Bafna Dr. S. P. Chavan	University of Pune	2008-2009
16.	Advances in Bioanalytical Techniques	Dr. M. N. Saraf Dr. V. S. Velingkar Dr. Narendra Raut Dr. V. K. Maurya	University of Pune	2007-2008

10. THE PARENT – TEACHER ASSOCIATION

Objectives:

1. To work for the welfare of students, teachers and also for the development of the college.
2. To foster and promote good relationship among the teaching staff, students and parents/guardians of the students.
3. To assist students as well as parents coming from socially and economically backward groups psychologically to complete Pharmacy education successfully.

Details of Executive Committee (Academic Year – 2015-2016)

Executive Committee- Parent Members

Members (Parent)	Mr. Shridhar Yelmar	9850062906
Members (Parent)	Mr. Jayaram N. Chavan	9923321146
Members (Parent)	Mr. Sambhaji W. Wadekar	9881935079
Members (Parent)	Mr. Gajanan S. Sherekar	9764147309
Members (Parent)	Mr. Rajaram D. Phalke	9158005937
Members (Parent)	Mr. Sambhaji M. Ghule	9881228134

Executive Committee- Teachers

Secretary (Principal)	Dr. P. D. Chaudhari	9850179873
Member (Class Teacher F. Y. B. Pharm)	Prof. A. G. Purohit	9325523534
Member (Class Teacher S. Y. B. Pharm)	Prof. M. C. Kuchekar	9970289735
Member (Class Teacher T. Y. B. Pharm)	Prof. K. A. Kedar	9764012744
Member (Class Teacher Final Y. B. Pharm)	Prof. M. S. Kamble	9850742534
Member (HOD, Pharmaceutics)	Dr. A. A. Phatak	9822449380
Member (HOD, Pharmaceutical Chemistry)	Dr. S. B. Jadhav	9922877457
Member (HOD, Pharmacology)	Dr. D. D. Bandawane	9822425748
Member (HOD, Pharmacognosy)	Dr. B. P. Pimple	9970830030
Member (HOD, Quality Assurance Techniques)	Dr. K. S. Shaikh	9881865610

11. TRAINING AND PLACEMENT

Objectives and brief information about T & P: The Training and Placement Cell is an integral part of this college. The college has provided adequate infrastructure for effective functioning of the cell. In fact, Training & Placement activities are organized throughout the year with a view to prepare the prospective learners for the campus selection programs. It is heartening to state that reputed industries across the country visit this college for campus recruitment programs. However, cell maintains good rapport with all industries for effective recruitment. The cell also plays a vital role in bringing the students and industrial community together for a mutually satisfying employment relationship.

The cell plays a crucial role in counseling and guiding the learners of the college for their successful career placement which is an important interface between the stages of completion of academic program of the students and their entry into the suitable employment.

The Training and Placement Cell is constituted as under

- | | | |
|--------------------------------|---|--|
| 1. Dr. Mrs. Karimunnisa Shaikh | - | Training & Placement Officer |
| 2. Ms. Minal Harde | - | Assistant Training & Placement Officer |
| 3. Ms. Nikita Gaiwad | - | Assistant Training & Placement Officer |

Responsibilities of Training and placement committee:

- To communicate with various pharma industries to place the students for training purpose as per university core structure.
- To collect training report and training certificate.
- To arrange workshops/ lectures/ seminars regarding career guidance.
- To make consistent rapport with various recruiters for exploring the availability of jobs
- To invite recruiters for on-campus interview of prospective students.
- To put additional efforts for the off-campus placement of such students who are not selected on-campus.
- To maintain the record of placement of students.
- To collect the feedback from the employers and make additional efforts to bridge the gap between curriculum and industry requirements.

Name of Companies visited for Placement: Hetero Healthcare Ltd., Veritaz, CareerVersity, NuLife Pharmaceuticals, Sydler Remedies Pvt. Ltd., Shreya Life Sciences Pvt. Ltd., Docplexus Online Training Services Pvt. Ltd., Relic Biotech Pvt. Ltd., Cognizant Technology Solutions, TevaPharm India Pvt. Ltd., Sanofi Synthelolab Ltd., JVAG Pharma, Troikaa Pharma Pvt. Ltd., Bayer Healthcare Pvt. Ltd., Syntel Pvt. Ltd., ITMinds Consulting Ltd., 3G Pharma Pvt. Ltd., Tata Consultancy Services., Neon Laboratories, Mumbai, Tata Consultancy Services Pvt. Ltd., Emcure Pharmaceuticals, 3 Gen Consulting Pvt. Ltd., Brilizence Consulting Pvt. Ltd., Lupin Research Park, Pune, Alembic Pharmaceuticals Ltd.

STUDENTS' PROGRESSION		
Year	Percentage	
	Job	Higher education
2013-14	43 (UG) 35 (PG)	40 (UG to PG)
2014-15	32 (UG) 54 (PG)	41 (UG to PG)
2015-16	Improcess	Improcess

12. COLLABORATIONS

I) Academic Collaborations

Sr. No.	Name of academic Institute/college	Objective(s)
1	Department of Microbiology, Modern College of Arts, Commerce and Science, Shivajinagar, Pune-05	To carryout joint course/module/projects in- Pharm. techniques Biotech. & microbiology based products, Formulation & Development and pharmacological activities.
2	VM Edulife Pvt. Ltd.	Online test series for students GPAT online tests
3	Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune	Usage of library books, study material, e-journals, under the inter library loan facility by the students and faculty Usage of instrumental facilities by the students and faculty
4	Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune	Usage of library books, study material, e-journals, under the inter library loan facility by the students and faculty Usage of instrumental facilities by the students and faculty

II) Industry Collaborations

Sr. No.	Name of collaborating Industry	Objective(s)
1	RASA Life science Informatics	Services and R & D in Pharmaceutical Science
2.	Haffkine Bio-Pharma Corporation Ltd Pimpri Pune	To establish industry institute partnership cell
3.	Centaur Pharmaceuticals Pvt. Ltd, Hinjwadi, Pune.	To establish industry institute partnership cell
4.	Nu-Life Pharmaceuticals, Pimpri, Pune	To establish industry institute partnership cell

III) Extension Collaborations

Sr. No.	Name of collaborating organization	Objective(s)
1.	Elite Institute of Pharmaceutical Skills	To train the students for Drug Regulatory Affairs related Documentation and drafting of regulatory files.
2.	First Idea, Kille Navi Mumbai	Software assistance in chemical structure drawing
3.	GNA patent Gurukul	To train the students for patent writing and drafting
4.	GEN consultancy Pvt. Ltd	To assist in training and placement activities
5.	Quality Circle Forum of India	To inculcate Quality environment in the institute
6.	Center for Environmental Education	To take initiatives for sustainable urban development and management through workshops, students projects awareness campaigning

7.	Yashwantrao Chavan Memorial Hospital, Pimpri, Pune.	Sharing of facilities of histopathology laboratory
8.	Dhanwantari Medical Foundations Dhanwantari Hospital, Nigdi, Pune	To provide emergency medical services to staff, faculty and students
9.	Acharya Anandrishiji Pune Blood Bank Trust Pune	Social corporate responsibility-organization of blood donation camp
10.	Lions Club, Nigdi, Pune	Social corporate responsibility-



13. EMINENT PERSONALITIES VISITED

Date	Name	Phone NO.	Email ID/Address	Comments
18/02/2014	Dr. N. Udupa	09845547746	Dr. N. UdupaM.Pharm/ Ph.D	Visited as PCI inspector. The institute is framed as excellent centre of education by dedicated teaching staff. Remarkable achievement. Warm welcome & hospitality given by principal Dr. P. D. Chaudhari. Wish you a great & great success ahead.
18/02/2014	C. S. Shreedhara	09242408292	Css.shim@manipal.edu Professor & Head, Dept. of Pharmacognocny. MCOPS, Manipal University Manipal.- 576104	Visited as an Inspector of Pharmacy Council of India, New Delhi. The institution has bloomed in to a well organised. Well equipped Pharmacy college within a span of 15 years. I am extremely happy to wrote that I have inspected one of the best college amongst private sector and
25/04/2014	Bhupesh Mall	9766304188	Bhupesh_mall@yahoo.com	Institute infrastructure is impressive. Leader Dr. P. D. Choudhari sir is wonderful personality. Team is motivated. Visual Controls are much desired.
12/07/2014	Vikram Gharge	9370663565	Vikram.Gharge@emcure.in	Have good infrastructure and good faculty. Mr.Pathak is a wonderful person. Discussion with Dr. P. D. Choudhari was very nice. Knowledge to students and presentation was very good.
12/07/2014	Dr.Shamkant Shimpi	9890118651	Shamkant.s@sailife.com	Infrastructure is excellent, the goal and vision for achieving excellence is clear and I am sure with the present staff and guidance of Dr. P. D. Choudhari, the college will achieve excellence. All the best for future progress.

22/07/2014	Shraddha Shapariya		shapariya@campbell.edu	Very impressed with lab facilities. Greatful to Dr.Choudhari for giving me the opportunity to speak the student.
26/07/2014	Manoj S. Kharde	9422447241	Manoj.kharde@sanofi.com	Very good lab facility with high standard lab equipment of student learning cell with high technology. Best of luck for future.
06/08/2014	S. Vishweshwar	9370080448	Cos.dmf@gmail.com	Impressive infrastructure. Nice & knowledgeable staff encouraging leadership of the principal. Very good. Keep it up & Best of luck.
10/10/2014	Jitendra Baweja	8390900082	Jitendra.baweja@emcure.co.in	Very good facilities to enthure students. Appreciate the excellent initiatives taken by the college management. I with best wishes.
10/10/2014	Shrikant Dhavale	7350824200	Shrikant.dhavale@savaresearch.com	Good, up to date facilities, learning atmosphere cordial relations.
11/10/2014	Dr.Sanjeev Chandran	9823472551	sanjeevchandran@lupinharma.com	It is always a pleasure to come to the college. Excellent facilities and very good work done in last several year. Wish the college and management very best in years to come.
11/10/2014	Mr.Anup R. Bankar	9850149532	BANKARANUP7@GMAIL.COM	OMG! It's a change. Its always amazing to visit ur Alumina. But best to see is drastic positive. I am alumini& I can see difference in college over 7 years. I will try my best now onwords to help intellectuete to growth of MC
11/10/2014	Rajendra M. Bandgar	9890434359	rajendrabandgar@lupinharma.co.in rajendrabandgar@yahoo.com	Very good campus and staff. Excellent laboratories and teachers.
08/01/2015	Ramya. S.	9833858022	ramya@itm.edu	Excellent experience overall
10/01/2015	Dr.Ravindra Yeole	9850110733	yeoleravindra@yahoo.co.in	The college has very good infrastructure and facilities.
10/01/2015	Udaykumar Rabike	7756848484	Udaykumar.rabike68@gmail.com	Great experience to be at the college. Veleductory

				function really had a good time. God bless the student. All the best! Rating- ****
10/01/2015	Sangeet Kumar	9029051983		Nice infrastructure. Energetic faculty.
10/01/2015	Deepak Gowda	9972434444	dhgowda@gmail.com	Industry & academic bridge and frame.
16/01/2015	Sanjay Kasture	9822951098	Kasturesb1@gmail.com	An excellent experience to see the college.
16/01/2015	V. S. Kasture	9604264133	veenakastureg@hotmail.com	The college is one of the best pharmacy institute in pune university.
16/03/2015	Dr. T. V. Narayana	9845020474	Tvnarayana2000@yahoo.com Chairman, IPA-Ed.Div. No.:156, 1 st main, 4 th cross, Ramanjaneya Nagar, Bangalore.61	Good opportunity. Visit one of the best maintained pharmacy college under leadership of Dr. P. D. Choudhari.
16/03/2016	Sachin C. Itkar	9922417168	sachinitkar@yahoo.com	I am mesmerised to see transformation in college. Credit to Principal Dr. P. D. Choudhari & his team. Best of luck
16/03/2015	Dr. G. Narayana Reddy	9676964664	gngnt@gmail.com Secretary IPA-Ed.Div.& Principal- KLR Pharmacy College Paloncha. Khammam (dist.) Telangana State	It is a 5 star model college I see and implanted any change in college
04/04/2015	Avinash K. Velhal	9765800489	velhalavinash@yahoo.com	College and facility is fansatic. The research projects given to the students are indicative & industry research. The level of understanding and presentation of students is good. The faculty also is willing to opt the industrial research. I wish all the best.
18/06/2015	Dr. S. J. Kshirsagar	9689932180	sanjayik@rediffmail.com Principal- BKC, METs Institute of Pharmacy Nashik	One of the best pharmacy college in Maharashtra. Highly qualified staff working under dynamic leadership of principal. Well planned infrastructure and pleasant atmosphere.
21/09/2015	Dr.NavnetGarud	9425117028	navneetgarud@gmail.com	MCP is developing very fast under the leadership and

			School of studies in pharmaceutical sciences, Jiwaji University, Gwalior(M.P.).	vision of Dr. P. D. Choudhari. The rythem should go onwith best wishes.
30/09/2015	Amit Lad	9325040750	Amit.lad@grace.com	The participation of teaching and non-teaching staff was good and kind co-operation from Dr. P. D. Choudhari sir that made this event possible. We thanks for the same and look forward to associate with you in the future.
30/09/2015	AniruddhaMahajan	9371812696	Aniruddha.mahajan@grace.com	The participation of teaching and non-teaching staff was good and kind co-operation from Dr. P. D. Choudhari sir that made this event possible. We thanks for the same and look forward to associate with you in the future.
20/10/2015	Rajendra M. Jorwekar	9049454811	Rajendra.jorwekar@gmail.com	It is really knowladgable experience when I visited the campus. The campus is very good. I also appreciated that the new technology is in every where. Thanks.
20/10/2015	Pri. Raje Vijay Nivruthu	9822430065	Gourishankar Pharmacy College Limb, Satara	Really inspiring & well equipped campus with luxurious facilities to staff and students. Hoping A++ grade in future by NAAC Acrediation. All the best
05/02/2016	Krishna Iyer	9819222354	Krishna.iyer@bcp.edu.in	Excellent faculty & research. Congrats on winnig the Best College Award in pune university. Keep it up & do ever better!! Congratulations again.
05/02/2016	Dr.VaishaliShirsat	9820923994	vashirsat@gmail.com	Well organised seminar! Excellent teaching faculties and infrastructure. Keep it up always! Wishing you all the very best! Congratulations.
05/02/2016	Dr.KrishnapriyaMohanraj	9821985747	krishnapriyamohanraj@gmail.com	Very well organised seminar. The college and facilities are

				very good with enthusiastic faculty. Pleasure to be here.
12/02/2016	Dr. V. V. Kuber	7507003688	ykuber@hotmail.com	Good infrastructure. Staff are enthusiastic, labs are well laid out. With all the best for all for future.
12/02/2016	Dr. Ajay G. Namdeo	9881299129/ 9405015878	agnamdeo@gmail.com	Heartiest congratulations for achieving the best college in Pune University. It has one of the best infrastructure facilities with posters will to attain and maintain the extraordinary Congrats!!
12/02/2016	Gourishankar R. Aland	9922658458	gourishankara@gmail.com	Appreciated efforts taken in building state-of-art infrastructure.
13/02/2016	Dattatray Naik	7588024642	dgmpune@yahoo.co.in	College environment is excellent. Facilities equipments and laboratories are well maintained. Attention is being paid to all round development to student. It was the great pleasure to visit the college.
13/02/2016	Rahul Phate	9922408188	Rahulphate16@gmail.com 49, Vagyadnya, Bajirao Nagar & Tilak Colony, Nashik.	It was a charming experience to visit Modern College of Pharmacy, which is a disciplined institute with the reputation to be the best college in Pune University. Honoured to be with the institute today.



FUNNY FACTS OF PHARMACY

Akshata Kulkarni

M.Pharmacy Sem-II



According to Chinese legend, the benefits of acupuncture were discovered when a soldier who had suffered from a stiff shoulder for many years was cured when an enemy arrow hit him in the leg!



Mithridates the Great of Pontus (a region of Persia) was in constant battle with Rome. Because he feared being poisoned, he would concoct different poisons and swallow them himself to build up a resistance. When the day came that he actually wanted to kill himself, he tried to poison himself, but it wouldn't work.



Paracelsus was actually born Philippus Theophrastus Aureolus Bombastus von Hohenheim. He was a very high-spirited, independent and even rebellious individual, though he saw his father – a doctor/chemist – as a role model. Around 1516, when he graduated with his doctorate degree, he changed his name to Paracelsus because it translated to beyond/more than Celsus (a famous Roman physician).



Ever wonder where the name Listerine® came from? It's named after Joseph Lister who spread the word about using antiseptics in hospitals.



Here's some irony for you: Ignaz Semmelweis figured out that doctors need to wash their hands after performing an autopsy on another doctor who got sick from cutting his finger during surgery.



During the Black Plague, doctors wore amulets (charms) made of dried blood and ground up toads!



During World War II, Britain feared that the Germans would invade their country and consequently, get a hold of their penicillin. As a preventative measure, researchers smeared pocket linings with the penicillin mold to transport to the U.S.

A Mindset Revolution!

Shruti Shrikant Godbole

S.Y.B.Pharm

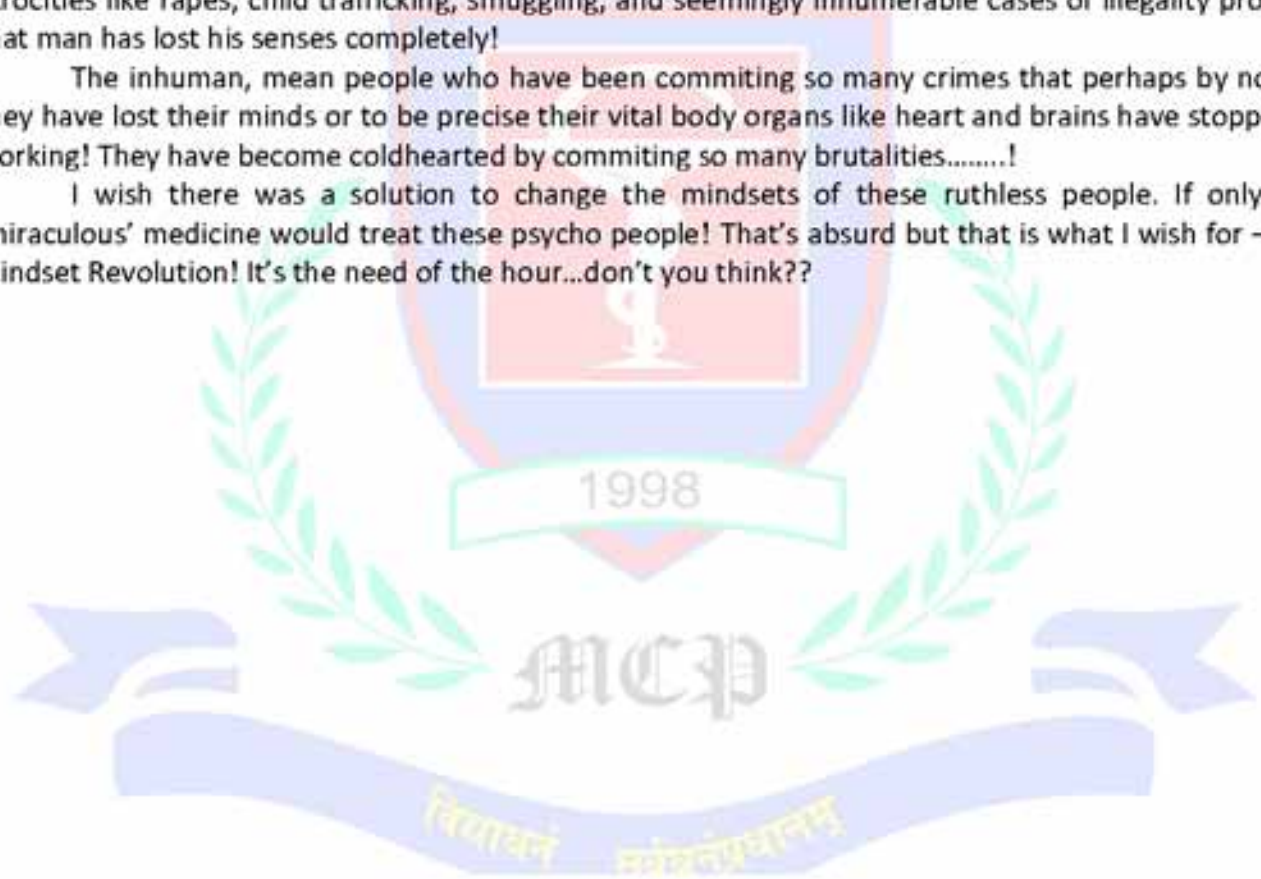
One fine evening, I was terrified by the news of the terrorist attacks on the office of the french satirical newspaper- Charlie Hebdo! The gunmen killed around 11 employees which included cartoonists and their editor also...Similar terrorist attacks on a school in Peshwar had moved the entire world!

These barbaric men have killed so many innocent people all around the world...their deeds will never let their souls rest in peace! Then what makes them think that by murdering people they can please their God and get heaven in their afterlife? And if these men are working so hard to please their god then why doesn't their god bless them with kindness? Well, in the name of God these insane men are waging 'Holy terror' across the world.

After reading about the incidents of heinous crimes happening all around the world all I think is world is not a safe place! Then where should humans reside? Not only terrorism, but many atrocities like rapes, child trafficking, smuggling, and seemingly innumerable cases of illegality prove that man has lost his senses completely!

The inhuman, mean people who have been committing so many crimes that perhaps by now they have lost their minds or to be precise their vital body organs like heart and brains have stopped working! They have become coldhearted by committing so many brutalities.....!

I wish there was a solution to change the mindsets of these ruthless people. If only a 'miraculous' medicine would treat these psycho people! That's absurd but that is what I wish for – A mindset Revolution! It's the need of the hour...don't you think??



1971 ? NO. It's 2016 !!!**Dr. (Ms.) Shailaja B. Jadhav****Professor & H.O.D.****Department of Pharmaceutical Chemistry**

A few days ago, I chanced upon a TV channel that was showing a Hindi movie called "1971". I realized that it was based on Indian POWs (Prisoners Of War) being held in Pakistan jails, and thought let me see how it goes. It's not as if I had never seen any patriotic movie before, I had seen many heart rending patriotic movies...!!! I am not a movie buff, neither am I an expert on movies nor a movie critic. But I can only say that the movie touched my heart in a way very few movies do nowadays.

In short, the movie is about the Indian soldiers captured and jailed in Pakistan during the 1971 and 1965 India-Pakistan war, and how the captured soldiers were never released despite the huge efforts of Red Cross even. According to the movie, these soldiers were last sighted alive in 1988, and since then no one has seen them. This means that the POWs spent their entire lives rotting in some interior jails of Pakistan.

Must have been young fellows of around 20 to 30 years of age when they were captured. It is the most crucial and beautiful part of your life when one has the energy and desire to do and achieve the heaven and the moon. Young boys with dreams in their eyes. Providers for their families. Young boys who were ready to sacrifice all for their motherland.

This made me think of the way the world is going today. About the young boys (and girls) today.

People had ambitions then and people have ambitions today also. The difference then and now is the means and mode chosen to achieve those ambitions...!!! Everyone wants to get rich instantly. What no one realizes is, rather than working towards getting rich and richer, one should work towards being able to earn enough to satisfy your needs and not to let the needs overtake your sanity. Work towards getting satisfaction and being happy. Of course happiness is a state of mind and many people get happy when they earn a lot of money... but there is again a difference. When a man has earned the money by right means... he can sleep peacefully at night... and if he has earned it by "not so right" means... he wakes up in the middle of the night.

Everything has a right time and a right place...

Try and make others happy. If you do so, then you can't help but smile yourself as well. Of course you need to be practical, so be a practical person but see that you don't get to be an impractically practical guy / gal...!!! I agree, each generation has their own set of problems to deal with. But what we don't understand is that we are picking up only the wrong trends and habits of others... and not their good practices. (And we talk about GMP and GLP all the time in our curriculum...☺ What about GMP and GLP of our life?) But then again... who really studies the curriculum so critically? Or is interested to? Today we just want a stamped degree... by hook or by crook...

Just imagine... you become a pharmacist, with B. Pharm. and M. Pharm. degree to your name. Just for the sake of argument, let's say you aren't really confident of the subject or don't have real knowledge of the subject. You get a job through influence. How long would you be able to sustain? Today you cannot be sure if the building that you reside in is constructed by an expert and is of good construction quality or, will it just collapse while you are sleeping. You don't know if the engine of your car has been assembled by an expert and not by just a degree holder. You don't know if the doctor who does surgery on your kin has paid attention during his curriculum and has not just taken a degree. Similarly, are the medicines you take, of the claimed quality?

So my young friends, Pray to God that today you come across people who are the experts in their own fields and not just degree holders. And this will surely drive you to become experts in your own chosen field... and you will be the ones sought after... Then, you won't have to go to anybody for employment, they will come to you.

So. Work hard. Become experts in your field of work. Achieve success. And be Happy.....!!!!!!

Biosimilars in India: a minireview

Dr. Karimunnisa S Shaikh

Associate Professor

Department of Pharmaceutics

Biological products are a wide range of products including vaccines, blood and blood components, allergens, somatic cells, gene therapy, tissues and proteins. Unlike most traditional, small-molecule prescription drugs that are made through chemical processes, biological products are generally made from human and/or animal materials. Biological products are usually larger than and have a more complex structure than small-molecule prescription drugs. Such products may be manufactured through biotechnology, derived from natural sources, or, in some cases, produced synthetically.

A biosimilar is a biological product that is highly similar to a licensed reference biological product notwithstanding minor differences in clinically inactive components, and for which there are no clinically meaningful differences between the biological product and the reference product in terms of the safety, purity, and potency of the product. The term “biosimilar” is in common use in the European Union, while the term “follow on biologics” is more popular in the American context.

Owing to affordability and easy accessibility, biosimilars have established a good reputation among healthcare professionals. Though biosimilars are gaining popularity in national and international markets, it is important to remember that the biosimilars are not biological generics. These are rather unique molecules which are supported by only limited clinical data at the time of approval. Therefore, there are concerns regarding their efficacy, long-term safety and immunogenicity.

Generic drugs are characterized by their chemical and therapeutic equivalence to the branded, original, low molecular weight chemical drugs whose patents have expired. These are essentially identical to the original product and sold under a common name. These are approved through simplified registration procedure as abbreviated new drug application (ANDA), with demonstration of bioequivalence. However, it is not possible to employ the same standards for the evaluation or appraisal of biosimilars, as there are various differences between chemical generics and biosimilars.

Biologics are an important component of the pharmaceutical industry and have grown exponentially in the last decade. In recent years, the pharmaceutical industry has placed greater and greater emphasis on developing biopharmaceutical-based drugs (biologics). As a result, the global biologics market is expected to reach \$220 billion by 2019. By 2020, patents on several biological products with global sales of more than US\$67 billion will expire. Thus, the trend would shift towards biological drugs. Biologics have shown huge potential in curing the unmet demand of small drug molecules. These factors have caught the attention of the global pharmaceutical industry and have polarized the industry towards biologic products. Given this, biosimilars, or “similar biologics” are expected to become an important economic and therapeutic driver of the Indian pharmaceutical market.

In India, similar biologics are regulated by the:

1. Drugs and Cosmetics Act, 1940 (Drugs and Cosmetics Act);
2. Drugs and Cosmetics Rules, 1945 (as amended from time to time);
3. Rules for the Manufacture, Use, Import, Export and Storage of Hazardous Microorganisms and Genetically Engineered Organisms or Cells, 1989 (Rules 1989) notified under the Environment (Protection) Act, 1986;
4. Recombinant DNA Safety Guidelines, 1990;

5. Guidelines for Generating Preclinical and Clinical Data for rDNA Vaccines, Diagnostics and other Biologicals, 1999;
6. The Central Drugs Standard Control Organization (CDSCO) Guidance for Industry, 2008 {including: (a) Submission of Clinical Trial Application for Evaluating Safety and Efficacy; (b) Requirements for Permission of New Drugs Approval; (c) Post Approval Changes in Biological Products: Quality, Safety and Efficacy Documents; and (d) Preparation of the Quality Information for Drug Submission for New Drug Approval: Biotechnological/Biological Products}; and
7. Guidelines and Handbook for Institutional Biosafety Committees (IBSCs), 2011.
8. CDSCO and Department of Biotechnology (DBT) through the Review Committee on Genetic Manipulation (RCGM), approve similar biologics using an abbreviated version of the pathway applicable to new drugs. CDSCO is the highest regulatory authority in India, addresses issues and challenges for ensuring the safety and efficacy of similar biologics and establishes the appropriate regulatory pathways. Specifically, with respect to similar biologics, CDSCO is responsible for granting import/export licenses, clinical trial approvals and permission for marketing and manufacturing. The RCGM is responsible for monitoring all research scale activity and the approval of nonclinical studies. The DBT is responsible for overseeing the development and preclinical evaluation of recombinant biologics.

In 2012, CDSCO, in collaboration with the DBT, issued the *Guidelines on Similar Biologics: Regulatory Requirements for Marketing Authorization in India* (Guidelines). The Guidelines detail the regulatory requirements, such as data requirements for the manufacturing, characterization, preclinical studies and clinical trials, for receiving marketing authorization of similar biologics. The Guidelines are applicable for similar biologics developed in or imported into India.

According to the Guidelines, similar biologics are developed through a sequential process designed to demonstrate the similarity, by extensive characterization studies, of the molecular and quality attributes of the similar biologic with a reference biologic. The extent of the testing of the similar biologic is likely to be less than that required for a reference biologic; however, it is essential that the testing of the similar biologic be sufficient to ensure that the product meet acceptable levels of safety, efficacy and quality to ensure public health. Generally, a reduction in data requirements is possible for preclinical and or clinical components of the development program by demonstrating comparability of the product (to the reference biologic) and consistency in the production process. If any significant differences in safety, efficacy and quality between the similar biologic and the reference biologic are identified, more extensive preclinical and clinical evaluation will be necessary. It is quite likely in this instance that the product may not qualify as a similar biologic.

Table 1: Indian companies marketing biosimilars in India

Company (location)	Biosimilar	Product description
Dr Reddy's Lab (Hyderabad)	Grafeel	Filgrastim (recombinant granulocyte-macrophage colony-stimulating factor, G-CSF)
	Reditux	Biosimilar rituximab (mAb targeting CD20)
	Cresp	Darbepoetin alfa (recombinant erythropoietin)
Intas (Ahmedabad)	Neukine	Filgrastim (recombinant G-CSF)
	Neupeg	PEGylated G-CSF
	Intalfa	Recombinant human interferon alpha-2b
	Epopit	Recombinant erythropoietin
Shantha Biotech/Merieux Alliance (Hyderabad)	Shanferon	Recombinant interferon alpha-2b
	Shankinase	Recombinant streptokinase
	Shanpoietin	Recombinant erythropoietin

Reliance Life Sciences (Mumbai)	ReliPoietin	Recombinant erythropoietin
	ReliGrast	Recombinant G-CSF
	ReliFeron	Recombinant interferon alpha-2b
	MIRel	Recombinant reteplase (tissue plasminogen activator)
Wockhardt (Mumbai)	Wepox	Recombinant erythropoietin
	Wosulin	Recombinant insulin
Biocon (Bangalore)	Eripro	Recombinant human erythropoietin
	Biomab	Bioimilar nimotuzumab (humanized mAb targeting epidermal growth factor receptor)
	Nufil	Filgrastim, recombinant G-CSF
	Myokinase	Recombinant streptokinase biosimilar
	Insugen	Recombinant human insulin

Indian companies have the opportunity in the following four key biosimilar segments: **Biosimilars product segment:** Peptides, recombinant glycosylated proteins, recombinant non-glycosylated proteins and others.

Biosimilars service segment: Drug development, contract research and manufacturing services, clinical trials services.

Biosimilars applications segment: Oncology, infectious diseases, chronic and autoimmune diseases, and other diseases which are typical to Indian genome which incidentally contains Indo-European, Dravidian, Tibeto Burmese, Austro-Asian and covers 65 percent of world's population that has 90-95 percent Indian genotype similar.

Biosimilars technology segment: Recombinant DNA technology, monoclonal antibodies technologies, protein sequencing, bioassay, chromatography, nuclear magnetic resonance, and mass spectrometry

In order to gain a fair share of the global biosimilars products, services, technology and applications market, Indian biosimilar players would need to invest heavily in creating alliances and discoveries. Looking at the bio-pharma patent expiries, epoetin, human insulin, human growth hormone (HGH), colony stimulating factors (CSFs), interferon alpha and beta are the key products that would offer huge opportunity if Indian players are able to manage the time to market.

For more details, the reader can refer to the following:

1. <http://bricwallblog.wordpress.com/2014/05/21/an-overview-of-biosimilars-and-the-biosimilar-pathway-in-india/>
2. Sagar J. Kanase*, Yogesh N. Gavhane, Ashok Khandekar, Atul S. Gurav and A.V. Yadav, Biosimilar: an overview, International Journal of Pharmaceutical Sciences and Research, 2013; Vol. 4(6): 2132-2144.
3. Guidelines on Similar Biologics: Regulatory Requirements for Marketing Authorization in India by DBT, <http://dbtbiosafety.nic.in/Files%5CCDSCO-DBTSimilarBiologicsfinal.pdf>
4. Kumar R, Singh J. Biosimilar drugs: Current status. Int J App Basic Med Res [serial online] 2014; 4:63-6. Available from: <http://www.ijabmr.org/text.asp?2014/4/2/63/136774>

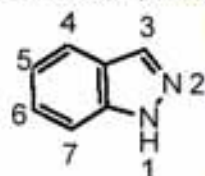
INDAZOLE: A POTENTIAL BIOACTIVE AGENT

Dr. (Ms.) Shailaja B. Jadhav

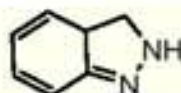
Professor & H.O.D.

Department of Pharmaceutical Chemistry

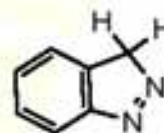
Heterocyclic compounds are important moieties imparting various biological activities, and are important in the field of drug development and discovery. In 1884 Knorr discovered the antipyretic action of pyrazole derivative in man. He named the compound Antipurine. This stimulated the pyrazole chemistry. Indazoles have molecular formula $C_7H_6N_2$, and have pyrazole ring condensed with the benzene ring. The indazole heterocycle is normally referred to as 1*H*-indazole, although it has two other potential tautomers 2*H*-indazole and 3*H*-indazole.



1*H*-indazole



2*H*-indazole



3*H*-indazole

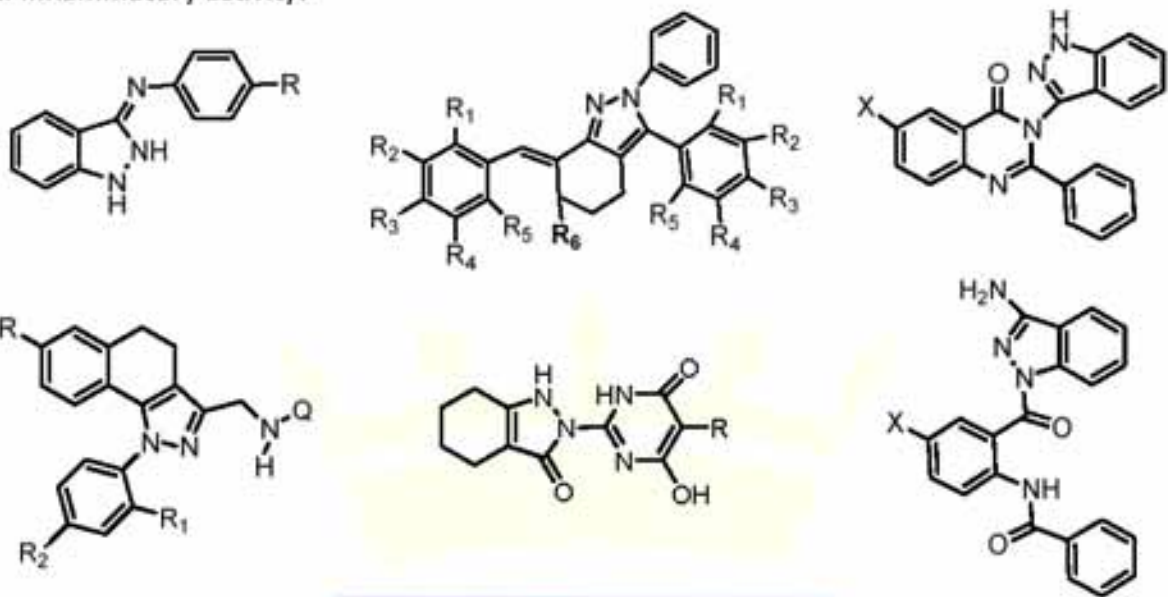
The 1*H*-indazole was found to be the dominant tautomer in the gaseous state and in aqueous solution, and this result is not reversed in the excited state by a solvent effect. X-ray diffraction studies of *N*-unsubstituted indazoles confirm the general preference for 1*H* tautomers in the solid state. 1*H*-Indazoles have benzenoid properties (are aromatic in nature), while 2-substituted 2*H*-indazoles have ortho-quinoid character. 3*H*-Indazoles lack heteroaromatic character and are very rare.

Indazoles are rare in nature, and so far only three natural products based on an indazole ring have been isolated. These are the indazole alkaloids nigellicine, nigeplanine, and nigellidine. Among the heterocyclic compounds, which are available for the preparation of potentially valuable new building-blocks in medicinal chemistry, the indazole nucleus is probably one of the least studied. In contrast to the abundance of publications on its biosisteres e.g., indole or benzimidazole, there are limited number of publications based on indazole chemistry, may be due to the fact that the indazole moiety is rather scarce in natural products. Even though, a large number of synthetically prepared compounds have displayed biological and pharmacological properties. Bendazac, a non-steroidal anti-inflammatory agent, used as an anti-cataract drug and Granisetron, a serotonin 5-HT₃ receptor antagonist used to treat and prevent nausea and vomiting induced by cancer chemotherapy, these are the two examples of bioactive molecules of current interest. Other compound of interest is YC-1 (a guanylyl cyclase activator) used for the treatment of cardiovascular diseases or erectile dysfunction and lonidamine drug used for treatment of cancer.

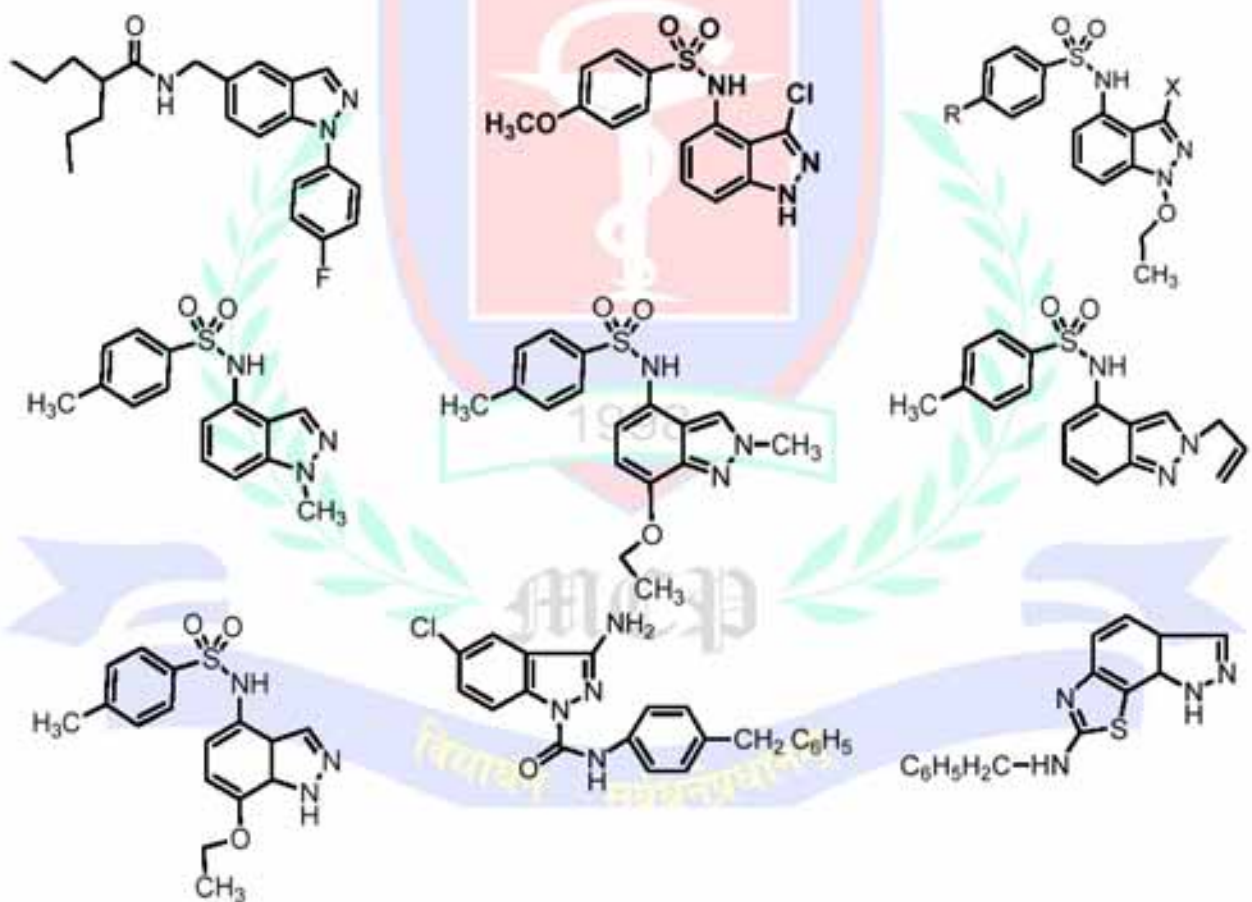
Indazole is a pharmaceutically important and emerging heterocycle with a broad spectrum of activities including anti-microbial, anti-cancer, anti-inflammatory, anti-viral, anti-platelet, anti-spermatogenic activity, anti-cataract activity, and selective 5-HT₆ antagonists.

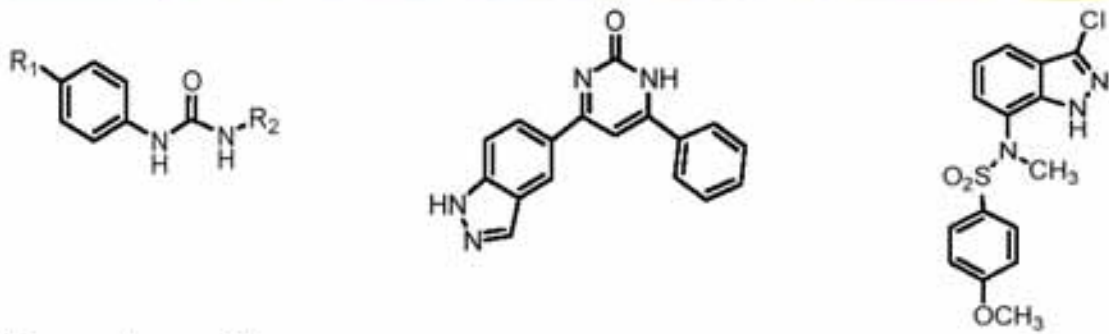
Biological activities of compounds containing indazole moiety:

A) Anti-inflammatory activity:

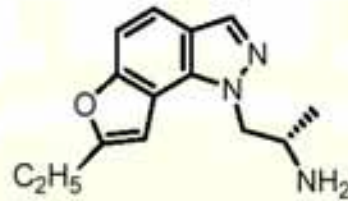


B) Anti-cancer activity:

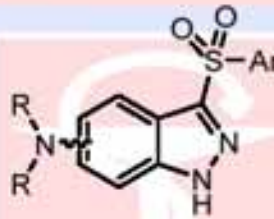




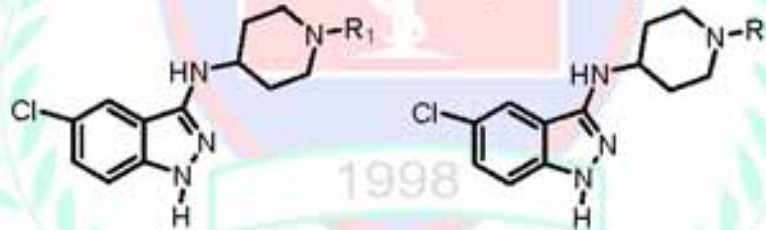
C] 5-HT_{2C} receptor agonists:



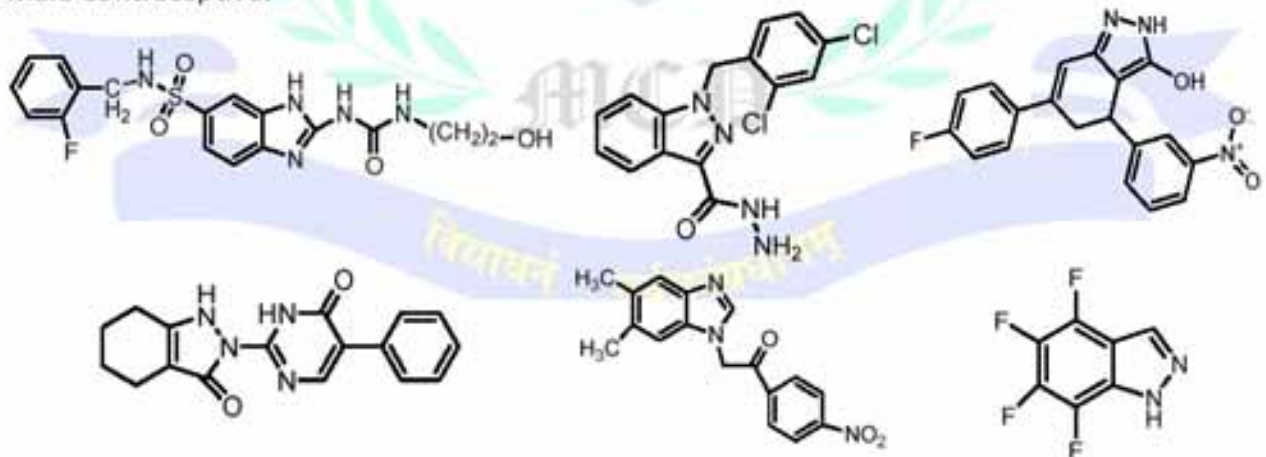
D] 5-HT₆ antagonists



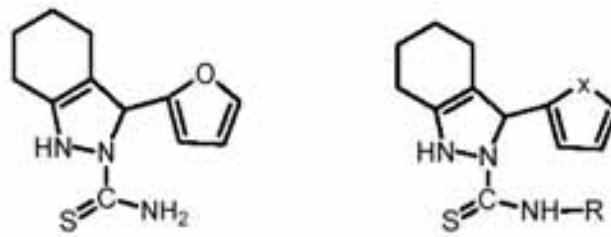
E] Orally efficacious melanin concentrating hormone receptor-1 antagonists:



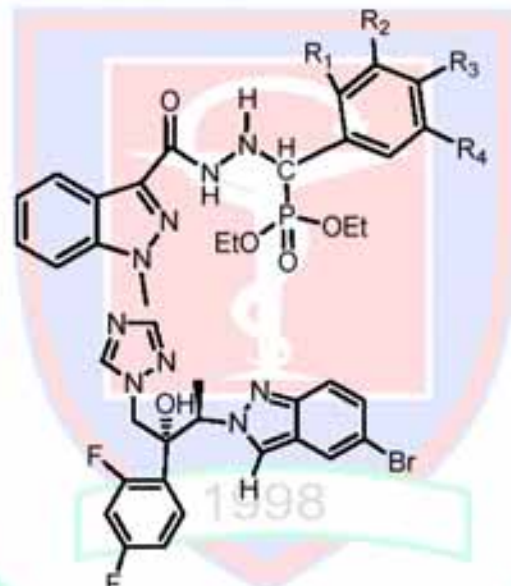
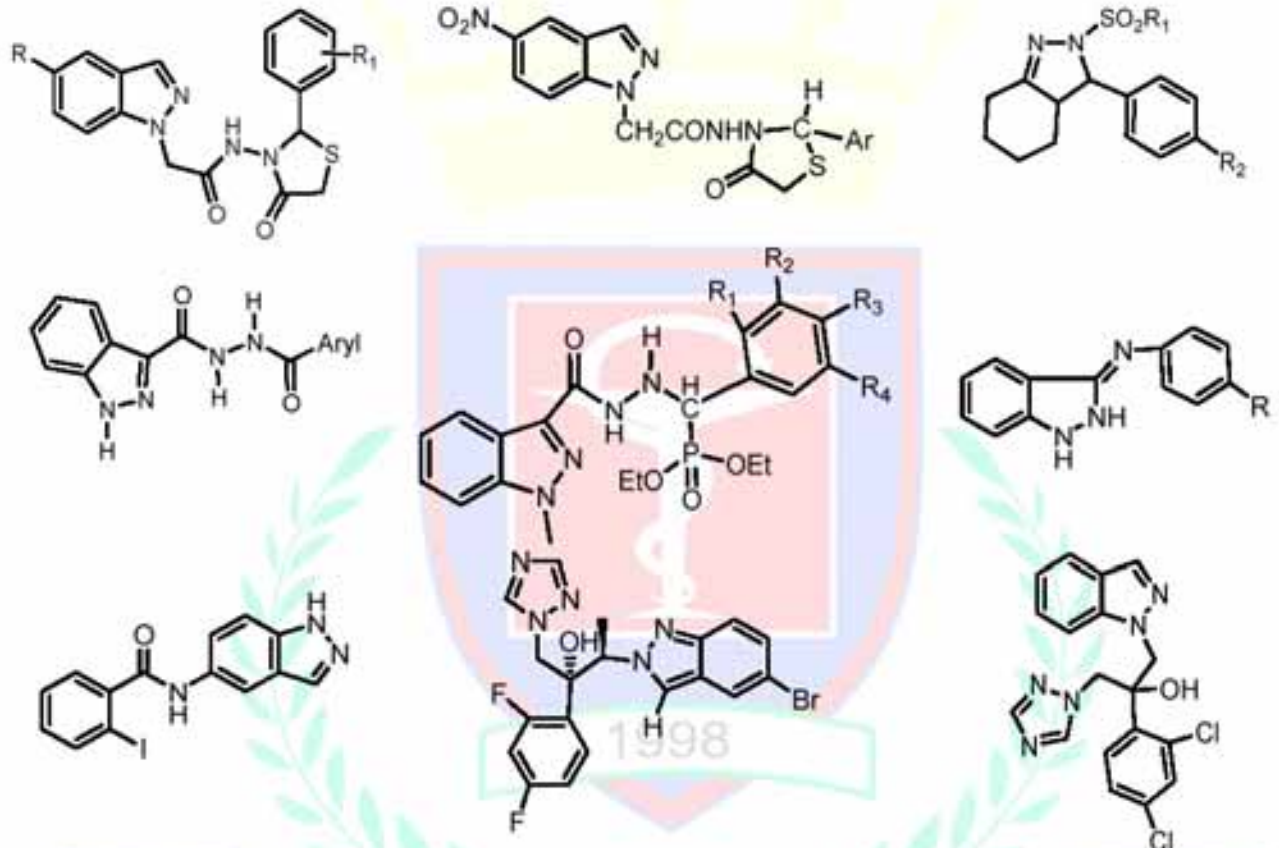
F] Male Contraceptive:



J) Monoamine Oxidase Inhibitors:



K) Antimicrobial activity:



MCP

विद्याधरं सर्वसंप्रदानम्

Correlation of insulin resistance, type II diabetes and obesity: An Overview

Dr. Deepti D. Bandawane

Professor & H.O.D.

Dept. of Pharmacology

Diabetes mellitus refers to a group of common metabolic disorders that share the phenotype of hyperglycemia. Several distinct types of DM exist and are caused by a complex interaction of genome and environmental factors. Diabetes is now one of the most common non-communicable diseases globally and is the fifth leading cause of death in many of the developed countries. Depending on the etiology of the diabetes mellitus, factors contributing to hyperglycemia include reduced insulin secretion, decreased glucose utilization, and increased glucose production. The metabolic dysregulation associated with diabetes mellitus causes secondary pathophysiologic changes in multiple organ systems that impose a tremendous burden on the individual with diabetes and on the health care system. Diabetes places a huge burden of illness on sufferers and society. Premature mortality in the diabetic population is double that of the non-diabetic population. Complications from diabetes such as coronary artery, peripheral vascular disease, diabetic neuropathy, nephropathy and retinopathy result in increasing disability, reduced life expectancy and enormous health costs virtually in every strata of society. The prevalence of diabetes mellitus is increasing with ageing of the population and lifestyle changes associated with rapid urbanization and westernization.

Diabetes mellitus is a worldwide problem, and type II diabetes is found to be more prevalent. The two metabolic defects characterizing type-II diabetes mellitus are derangement of insulin secretion that is delayed or is insufficient tissues to respond to insulin-called insulin resistance. β -cell defect and insulin resistance are essential features of non-insulin dependent diabetes mellitus, and both features are the focus of intensive investigation. Major characteristics of type II diabetes include impaired utilization of glucose and resistance to the ability of insulin to stimulate glucose uptake and disposal in tissues. In the United States, 6% of the current adult population is diagnosed with type-II diabetes mellitus. An additional 41 million people are prediabetic; with a constellation of insulin resistance, hypertension, and dyslipidemia that puts them at increase risk for cardiovascular morbidity and mortality.

Insulin resistance is a condition in which the body's cells become resistant to the effects of insulin i.e. the normal response to a given amount of insulin is reduced. Insulin is a hormone that is produced by the beta cells of the pancreas. These cells are scattered throughout the pancreas in small clusters known as the islets of Langerhans. The insulin produced is released into the blood stream and travels throughout the body. Insulin is essential in the metabolic process, mainly by increasing glucose uptake in both muscle and adipose tissue and inhibiting hepatic glucose output. Moreover, under physiological conditions, insulin stimulates lipogenesis, and glycogen and protein synthesis, and inhibits lipolysis, glycogenolysis and protein breakdown. Therefore, insulin resistance promotes profound dysregulation in these processes, which in turn results in higher circulating levels of glucose. Normally glucose is carried by the bloodstream to individual cells, and insulin signals the cells to absorb the glucose that fuels our body. But when there is too much glucose in the body, cells become desensitized and the body continues to release more insulin, allowing blood sugar levels to become high. As a result of insulin resistance, higher levels of insulin are needed in order to have its proper effects. With insulin resistance, the pancreas produces more and more insulin until the pancreas can no longer produce sufficient insulin for the body's demands, then blood sugar rises. Insulin resistance is a risk factor for development of diabetes and heart disease.

The root of insulin resistance is often linked to the macronutrient content in the diet, and there is evidence that excessive consumption of numerous macronutrients such as carbohydrates, fats, and even protein may eventually lead to the development of insulin resistance. Recent research

suggests that a high intake of refined carbohydrates may be particularly deleterious in increasing the risk of insulin resistance.

The number of obese individuals worldwide has reached 2.1 billion, leading to an explosion of obesity –related health problems associated with increased morbidity and mortality. Besides an obesogenic environment and reduced energy expenditure during work and leisure activities, one of the primary causes of the current epidemic of obesity and related metabolic disorders is related to the western-style diet, which includes excessive intake of high-fat and high –sucrose foods.

Obesity and diabetes reaching epidemic proportions in the developed world, (WHO, 2000) the role of insulin resistance and its sequelae is gaining prominence. Understanding the role of insulin across a wide range of physiological processes and the influences on its synthesis and secretion, alongside its actions from the molecular to the whole body level, has significant implications for much chronic disease seen in Westernised populations today. Consequently, more than a century after scientists began to elucidate the role of the pancreas in diabetes, the study of insulin and insulin resistance remain in the forefront of medical research, relevant at all levels from bench to bedside and to public health policy.



The benefits of Ayurveda

K.A.Kedar

Pharmacognosy Department

The benefits of Ayurveda are many:

- Ayurveda originated in India about five thousand years ago. Ayurveda is considered to have evolved from Atharva Veda, one of the four Vedas. The objective is to give the feeling of wellness, physically, mentally and spiritually. The basic concepts and fundamental principles aim at establishing such a condition through correct and thorough knowledge of healthy living. A person can function normally only when his Doshas, Dhatus, Malas and Agni are in a state of equilibrium. A balance in the Trigunas helps to keep the mind clear of ill thoughts, fear and anger.
- The Ayurvedic approach to an illness is holistic and therefore after an Ayurvedic treatment a person will find an improvement in their physical, mental and psychological conditions.
- The ingredients used in Ayurvedic medicines are mostly derived from herbs, plants, flowers, fruits etc. making it a remedy close to nature.
- There are practically no side effects for Ayurvedic medicine.
- Ayurveda has been found to be an effective cure for many chronic diseases.
- An Ayurveda treatment can bring about wellness to the entire body and will be in effect for a longer time than Allopathic treatment.
- Ayurveda not only helps in treating diseases but also in preventing the occurrence of diseases.
- Ayurveda gives guidelines on how to keep away diseases by means of simple dietary and lifestyle changes.
- Ayurvedic medicines are good even for healthy people since they are restorative in nature and helps in nourishing the body and enhancing mental ability.
- Ayurvedic treatment and medicines are comparatively cheaper than other systems of medicine.
- Ayurveda recommends readily available herbs and spices for minor ailments.
- Ayurvedic therapies can give relief from stress and rejuvenating the body.



ATHEROSCLEROSIS

Prof. Sonali Nipate
Department of Pharmacology

Atherosclerosis known as chronic and progressive disease of muscular arteries comprises formation of calcified plaque and hardens the arteries through different etiopathogenesis. The major risk factors in atherosclerosis include chronic diseases like diabetes, hypertension, myocardial infarction, ischemia, stroke, and the coronary artery disease (CAD) and also vice-versa. Smoking, high lipid diet, family history also plays crucial role in atherosclerosis. Vascular fibrosis is one of the primary causes in development of atherosclerosis due to proliferation of vascular smooth muscles cells (VSMC) and accumulation of extracellular matrix (ECM). Thrombotic tendency, inhibition of plasminogen activator-1 and higher levels of WBC, CRP, and fibrinogen intensify in atherosclerosis progression. Oxidative stress and proinflammatory cytokines released by white blood cells are associated with myocyte dysfunction. Elevated WBC can lead to abnormal leukocyte aggregation, vessel obstruction, endothelial injury, this is the initial step to develop atherosclerosis. CRP activates the complement system, stimulate cytokine production, cause myocyte loss, and promote atherosclerotic complications.

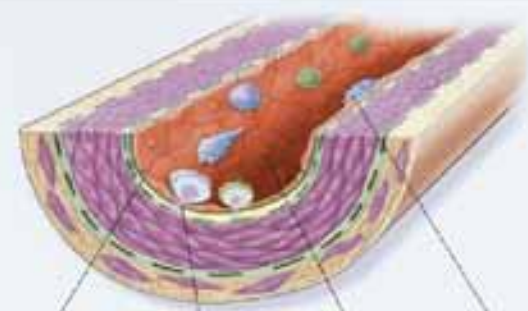
Population survey statistical data has estimated that more than 25% people are suffering at high risk of atherosclerosis worldwide out of which 52% men and 32% women and 90.1% people with hypercholesterolemic in developed country like US. Dyslipidaemia diagnosis (82.2%) Circulation problem diagnosis (41.2%) Diabetes diagnosis (36.9%) Hypertension diagnosis (76.8%) Past smokers (49.2%) major factor to introduce atherosclerosis. In Geographical distribution North central people are more prone to atherosclerosis and in India north Indian people are on risk. Proportion of mortality from ASVD increased following availability of insulin and extension of life-expectancy. Currently, the average annual incidence of CAD has been found to be two to three folds higher amongst patients with DM than non-diabetic subjects. Three-fourth of deaths in diabetics of USA is consequent to Atherosclerotic vascular disease (ASVD).

PATHOGENESIS-

There are different stages in progression of atherosclerosis.

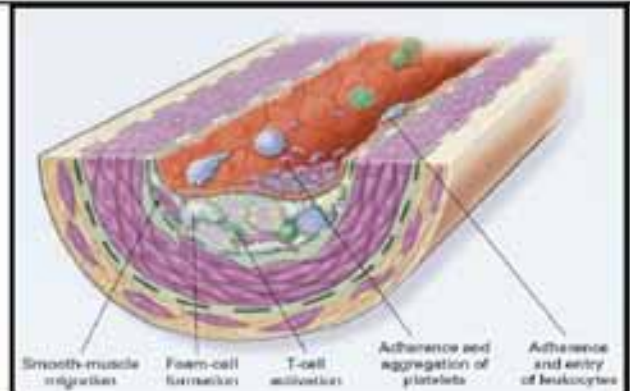
1. Endothelial Dysfunction

Cardiovascular risk factors promote atherogenesis by damaging the endothelium, which is involved in regulating vascular tone, structure and inflammation, and thrombosis.



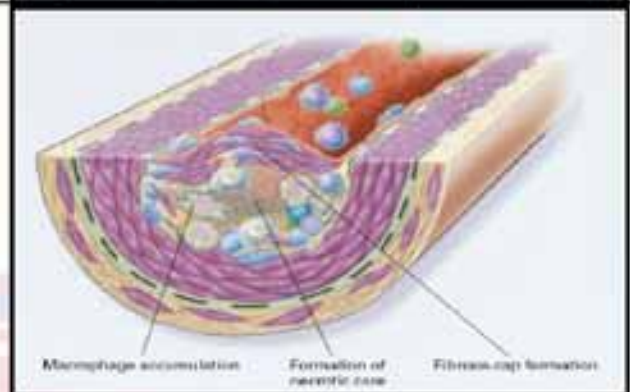
2. Fatty-Streak Formation in Atherosclerosis.

Fatty streaks initially consist of lipid-laden monocytes and macrophages (foam cells) together with T lymphocytes. Later they are joined by various numbers of smooth-muscle cells.



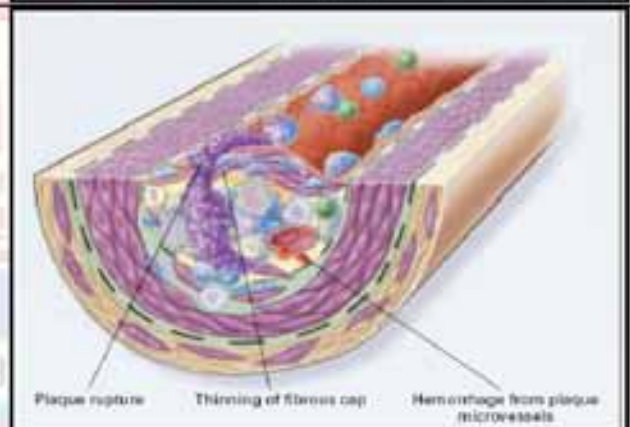
3. Formation of an Advanced Complicated Lesion of Atherosclerosis.

As fatty streaks progress to intermediate and advanced lesions, they tend to form a fibrous cap that walls off the lesion from the lumen.



4. Unstable Fibrous Plaques in Atherosclerosis.

Rupture of the fibrous cap or ulceration of the fibrous plaque can rapidly lead to thrombosis and usually occurs at sites of thinning of the fibrous cap that covers the advanced lesion.



ATHEROGENIC FACTORS

Atherogenic factors for all aging individuals include

Elevated LDL cholesterol

Elevated triglycerides

Hypertension

Elevated Lp-PLA2

Elevated glucose

Elevated homocysteine

Insufficient vitamin D

Low testosterone and excess estrogen (in men)

Nitric oxide deficit

Diagnostic Tests

Blood Tests	ECG (Electrocardiogram)	Chest X Ray
Ankle/Brachial Index	Echocardiography	Computed Tomography Scan
Stress Testing	Angiography	(MRI) (PET)

Low HDL cholesterol:

Oxidized LDL:

Elevated C-reactive protein:

Elevated omega-6:omega-3 ratio:

Excess insulin:

Elevated fibrinogen:

Insufficient vitamin K:

Insufficient CoQ10:

TREATMENT

Sr. No	Drugs	General Description	Side Effects
1.	HMG-CoA reductase inhibitors, Statins	catalyses the first step of cholesterol synthesis in the liver. Statins are hepatoselective with extensive first-pass metabolism, because the liver is the main site of cholesterol synthesis	Myopathy, Sleep disturbance, Headache, Nausea.
2.	Fibric acid derivatives, Gemfibrozil, Fenofibrate.	stimulation of peripheral lipoprotein lipases, which promotes the breakdown of VLDL and also leads to reductions in triglycerides. Fibrates also reduce triglycerides through PPAR α -mediated stimulation of fatty acid oxidation and reduced expression of apoC-III.	Epigastric distress, Impotence, Loose motion.
3.	Cholesterol absorption (e.g. ezetimibe), inhibitors	inhibit the absorption of exogenous and biliary cholesterol in the gastrointestinal tract	Reversible Hepatic dysfunction
4.	Bile acid-binding resins cholestyramine	favours the cellular uptake of cholesterol	Flatulence, symptoms, Poor patients palatability.
5.	nicotinic acid (NIACIN)	inhibit hepatic triglyceride production and VLDL secretion.	Hyperglycaemia, Liver dysfunction,
6.	Antioxidants	vitamin E might be protective	Not reduce mortality



Health Benefits of Milk

Mohini Kuchekar

Dept. of Pharmacognosy

Milk is an important part of our diet. We begin drinking it when we are young, but our intake decreases as we get older. Some people shy away from it because they fear that it will add too much fat to their diet. Others leave it out because they believe that they no longer need it. You are never too old to reap the rewards of drinking milk. It is a great source of vitamins and nutrients, and it has several health benefits, such as:

1. Glowing Skin

Cleopatra took milk baths to help her skin stay soft, supple and glowing. You can do the same, or you can drink a few glasses of whole milk each day to get its benefits. Milk has several nutrients which help skin look its best. It has lactic acid which can act as an exfoliant and enzymes to help smooth skin. It also has amino acids that help keep skin moisturized. Milk can help prevent damage from environmental toxins because it has antioxidants. However, if you have a sensitivity to milk or dairy products, milk can actually aggravate your skin.

2. Healthy Bones and Teeth

Milk is a great source of calcium, which is essential for healthy bones. Not only do young children need it while their bones are growing, but adults need it to keep their bones strong and to prevent osteoporosis. Milk is also great for strong teeth, and it helps prevent tooth decay and cavities. In order for the calcium to be absorbed by the body, vitamin D must be present. If you have a vitamin D deficiency, buy milk that is fortified with extra vitamin D to ensure that your body absorbs the calcium.

3. Muscles

Milk contains protein, which helps to rebuild muscles. Drink a glass of milk after you exercise to give your body what it needs to recover. It will help to keep soreness at bay while replenishing fluids that you lost during your workout.

4. Weight Loss

Studies show that women who drink low-fat or skim milk lose more weight than those who exclude milk from their diet. It is a great appetizer and it makes a healthy snack. Add a glass to your dinner, or drink a glass while eating a piece of fruit.

5. Less Stress

Milk is a great way to de-stress at the end of the day. A glass of warm milk will help to relax tense muscles and soothe frayed nerves. Milk has also been proven to reduce symptoms of PMS and boost energy. The next time you are feeling frazzled, try drinking a glass of milk while you soak in a bubble bath.

6. Healthy Body

Milk has properties that lower high blood pressure and risk of strokes. It reduces the liver's production of cholesterol, and it can act as an antacid. Vitamins A and B in milk can help build good eyesight. Milk has also been shown to help lower risk of certain cancers.

There are several varieties of milk on the market, such as whole, 2%, low-fat and fat free. If you are concerned about the growth hormones used in milk, choose to go the organic route. With all of the types of milk available, you should be able to find something that fits your diet and nutritional needs.

A REVIEW ON: THE EFFECT OF DEGRADATION ON POTENCY OF DRUG

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ICH defines impurities as for pharmaceutical products; impurities are substances in the product that are not the API itself or the excipients used to manufacture it. i.e. impurities are unwanted chemicals that remain within the formulation or API in small amount.

Impurities may include;

- Starting materials
- intermediates
- By-products
- Degradation products

Forced degradation (FD) study is a process in which the natural degradation rate of pharmaceutical product is increased by the application of an additional stress. Forced degradation is a process that involves degradation of drug products and drug substances at conditions more severe than accelerated conditions and thus generates degradation products that can be studied to determine the stability of the molecule. Forced degradation studies are also known as stress testing, stress studies, stress decomposition studies, forced decomposition studies, etc.

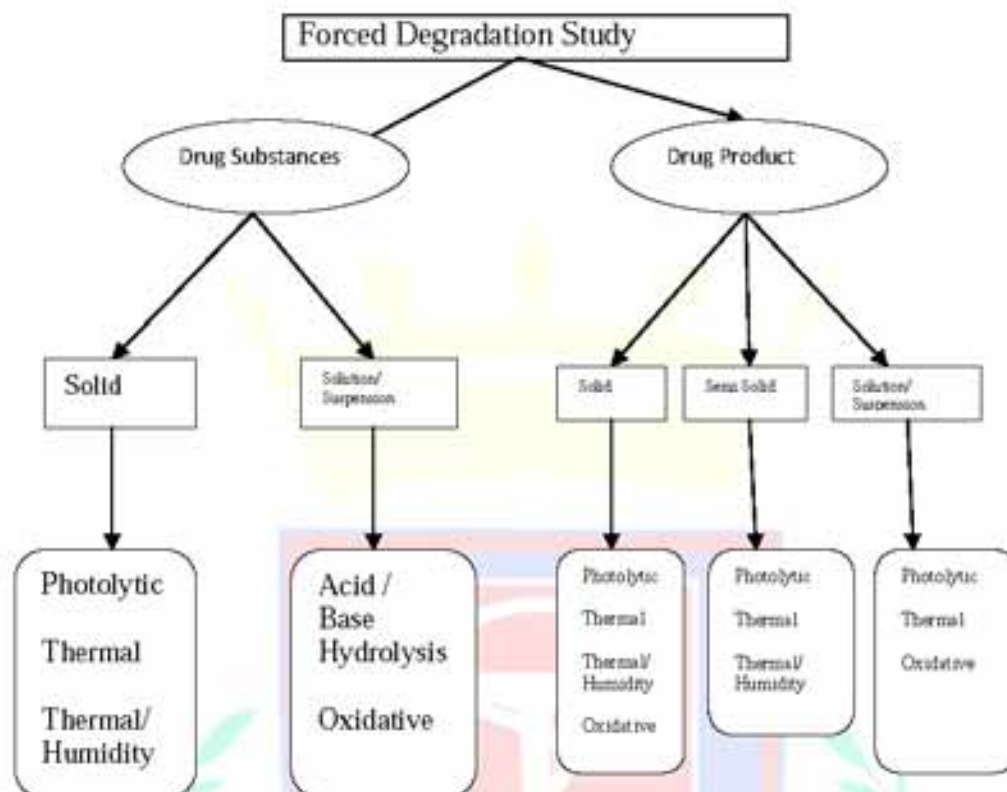
The ICH guideline states that stress testing is intended to identify the likely degradation products which further helps in determination of the intrinsic stability of the molecule and establishing degradation pathways, and to validate the stability indicating procedures used. Forced degradation (FD) study is a process in which the natural degradation rate of a pharmaceutical product is increased by the application of an additional stress.

Forced degradation performed: It is very important to know when to perform forced degradation studies for the development of new drug substance and new drug product. FDA guidance states that stress testing should be performed in phase III of regulatory submission process. Stress studies should be done in different pH solutions, in the presence of oxygen and light, and at elevated temperatures and humidity levels to determine the stability of the drug substance.

Objective of forced degradation studies

1. To establish degradation pathways of drug substances and drug products.
2. To differentiate degradation products that are related to drug products from those that are generated from non-drug product in a formulation.
3. To elucidate the structure of degradation products.
4. To determine the intrinsic stability of a drug substance in formulation.
5. To reveal the degradation mechanisms such as hydrolysis, oxidation, thermolysis or photolysis of the drug substance and drug product
6. To understand the chemical properties of drug molecules.
7. To generate more stable formulations conditions.
9. To solve stability-related problems

Degradation process



Degradation conditions

1. Hydrolytic conditions (Acidic Degradation and Alkaline Degradation)
2. Oxidative Degradation
3. Thermal Degradation
4. Photo Degradation

Hydrolytic conditions (Acidic Degradation and Alkaline Degradation)

Hydrolytic study under acidic and basic condition involves catalysis of ionizable functional groups present in the molecule. Acid or base stress testing involves forced degradation of a drug substance by exposure to acidic or basic conditions which generates primary degradants in desirable range. The selection of the type and concentrations of acid or base depends on the stability of the drug substance. Hydrochloric acid or sulfuric acids (0.1–1 M) for acid hydrolysis and sodium hydroxide or potassium hydroxide (0.1–1M) for base hydrolysis are suggested as suitable reagents for hydrolysis. The hydrolytic degradation of a new drug in acidic and alkaline condition can be studied by refluxing the drug in 0.1 N HCl / 0.1 N NaOH. If reasonable degradation is seen, testing can be stopped at this point. However in case no degradation is seen under these conditions the drug should be refluxed in acid/alkali of higher strength and for longer duration of time.

For ex. i) Anastrozole, significantly degraded in basic conditions as compared to acidic conditions and two new degradation products were formed under basic pH, ii) Doxofylline, a bronchodilator drug that show degradation more in acidic condition.

Oxidative Degradation

The oxidative decomposition of pharmaceutical compounds is responsible for the instability of a considerable number of pharmaceutical preparations.

Hydrogen peroxide is very common oxidant to produce oxidative degradation products which may arise as minor impurities during long term stability studies. It can be used in the concentration range of 3-30% at a temperature not exceeding 40°C for 2-8 days. The oxidative stress testing is initially

carried out in 3% H₂O₂ at room temperature for 6 hr and it can be increased/ decreased to achieve sufficient degradation. The time can also be increased up to 24 hr with 30% or decreased up to 30 min with 1% of H₂O₂.

The functional group with labile hydrogen like benzylic carbon, allylic carbon, and tertiary carbon or α – positions with respect to hetro atom is susceptible to oxidation to form hydroperoxides, hydroxide or ketone.

Thermal Degradation

In general, rate of a reaction increase with increase in temperature. Hence, the drugs are susceptible to degradation at higher temperature. Many APIs are sensitive to heat or tropical temperatures. Thermal degradation study is carried out at 40°C to 80°C. The most widely accepted temperature is 70°C at low and high humidity for 1-2 months. High temperature (>80°C) may not produce predictive degradation pathway^{9, 27}. The use of high-temperatures in predictive degradation studies assumes that the drug molecule will follow the same pathway of decomposition at all temperatures.

Effect of temperature on thermal degradation of a drug is studied through Arrhenius equation:
 $K=Ae^{-E_a/RT}$

Where k is specific reaction rate, A is frequency factor, E_a is energy of activation, R is gas constant (1.987 cal/deg mole) and T is absolute temperature.

Photo Degradation

The rate of photodegradation depends upon the intensity of incident light and quantity of light absorbed by the drug molecule. Photolytic degradation is carried out by exposing the drug substance (in solid as well as in the solution form) or drug product to a combination of visible and UV light. The most commonly accepted wavelength of light is in the range of 300-800 nm to cause the photolytic degradation.

Functional groups like carbonyls, nitroaromatic, N-oxide, alkenes, arylchlorides, weak C–H and O–H bonds, sulfides and polyenes are likely to introduce drug photosensitivity.

Regulatory Guidelines on Impurities in an Active Pharmaceutical Ingredient

Sr. No.	Title	Authorship
1	Q1A(R) Stability Testing of New Drug Substances and Products	ICH
2	Q3A(R) Impurities in Drug Substances	ICH
3	Q3B Impurities in Drug Products	ICH
4	Q3C Impurities: Residual Solvents	ICH
5	Q6A Specifications: Test Procedures and Acceptance Criteria for New Drug Substances and New Drug Products: Chemical Substances	ICH
6	NDA: Impurities in Drug Substances	FDA
7	ANDA: Impurities in Drug Substances	FDA

Thresholds for degradation products in drug products

Maximum daily dose ^a	Reporting threshold ^{b,c}
≤1 g	0.1%
>1 g	0.05%
Maximum daily dose ^a	Identification threshold ^{b,c}
<1 mg	1.0% or 5 µg TDI, whichever is lower
1 mg–10 mg	0.5% or 20 µg TDI, whichever is lower
>10 mg–2 g	0.2% or 2 mg TDI, whichever is lower
>2 g	0.10%
Maximum daily dose ^a	Qualification threshold ^{b,c}
<10 mg	1.0% or 50 µg TDI, whichever is lower
10 mg–100 mg	0.5% or 200 µg TDI, whichever is lower
>100 mg–2 g	0.2% or 3 mg TDI, whichever is lower
>2 g	0.15%

a :The amount of drug substance administered per day.

b :Thresholds for degradation products are expressed either as a percentage of the drug substance or as total daily intake (TDI) of the degradation product. Lower thresholds can be appropriate if the degradation product is unusually toxic.

c :Higher thresholds should be scientifically justified(article12)

Limits for degradation

Degradation of drug substances between 5% and 20% has been accepted as reasonable for validation of chromatographic assays. Some pharmaceutical scientists think 10% degradation is optimal for use in analytical validation for small pharmaceutical molecules for which acceptable stability limits of 90% of label claim is common.

Degradation Product Impurity	Limits
Each identified degraded product	Not more than 1.0 per cent
Each unidentified degraded product	Not more than 0.5 per cent
Total degraded products	Not more than 2.0 per cent

Basic factor consideration for stability study:-

- **Temperature:** high temperature accelerate oxidation, reduction and hydrolysis reaction which lead to drug degradation.
- **pH:** Acidic and alkaline pH influence the rate of decomposition of most drugs. Many drugs are stable between pH 4 and 8. Weekly acidic and basic drugs show good solubility when they are ionized and they also decompose faster when they are ionized.
- **Moisture:**
 - a. Water catalyses chemical reactions as oxidation, hydrolysis and reduction reaction
 - b. Water promotes microbial growth.
- **Light:** Affects drug stability through its energy or thermal effect which lead to oxidation.
- **Pharmaceutical dosage forms:** solid dosage forms are more stable than liquid dosage forms for presence of water.
- **Oxygen:** Exposure of drug formulations to oxygen affects their stability
- **Concentration:** Rate of drug degradation is constant for the solutions of the same drug with different concentration. So, ratio of degraded part to total amount of drug in diluted solution is bigger than of concentrated solution.

- **Drug incompatibility:** Reactions between components of pharmaceutical dosage forms it self or between these components and cover of the container.

In conclusion of stability study will established shelf life for drug substance and storage condition, every manufacturer of the API should perform the stability studies as per the ICH guidelines for potency of drug.



१५ . मराठी ष हिंदी विभाग

आई

हृदयात प्रत्येक अंशकात
आई तुझा ध्यास हवा
माझ्या या प्रत्येक श्वासात
गेहमी तुझा सहवास हवा.

सारे गुन्हे क्षम्य ठरतील
असं एक न्यायालय असावं
अशाचं त्या न्यायालयाच्या शोधात
आईचं ते हृदय गाठावं

हृदयाच्या या शिलेवर
आई तुझा लेख हवा
माझ्या वहीच्या पहिल्या पानावर
गेहमी तुझाच उल्लेख हवा.

मैत्री

सत्रीनंतर ठगवते म्हणून तै पहाट असते.
वळणावळणाची असते म्हणून तै चंढ असतो.

कलेकलेने खडलतो म्हणून तो चंढ असतो.
भरती ओहोटीत ठसळतो म्हणून तो समुद्र
असतो.

क्षितीजापाशी झुकते म्हणून ते आकाश असते.
आसवांनी जोडले जाते म्हणून ते प्रेम असते.

क्षणोक्षणी रंग खडलते म्हणून ते जीवन असते.
सुख दुःखाची वेवाण-घेवाण असते म्हणून ती
मैत्री असते.

सुरिमता सुपे

द्वितीय वर्ष औषधनिर्माणशास्त्र

दिपाली कळवी

द्वितीय वर्ष औषधनिर्माणशास्त्र

BEST

*|*E*N*D*S

F ight for you.

R espect you.

I nclude you.

E ncourage you.

N eed you.

D ederve you.

S tnad by you.

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नातं

मित्र-मैत्रीणीचं एक नातं असतं
कोण चाकांचं ते जात असतं

जुळण्यापूर्वी ते कधी कळत नसतं
पण एकदा जुळलं की
जन्मोजन्मी ते झुटत नसतं

रेशमी धाग्याचं ते खंयन असतं
पोलादापेक्षाही ते भक्कम असतं

कोण मनाचं ते मीलन असतं
कोण घराचं ते जीवन असतं
थोडं जरी दुभंगल तरी

हसत हसत ते जोडायच असत
जवळ असताना जाणवत नसतं पण
दूर जाता परी राहवत नसतं

ओझं त्याला कधी म्हणायचं नसतं
नात्याचं हे फूल सतत जपायचं असतं

रोशनी ठपवट

द्वितीय वर्ष औषधनिर्माणशास्त्र

आई

आईसाठी काय लिहू?

आईसाठी कसे लिहू?

आईसाठी पुरतील एवढे शब्द नाही काठे,
आईवरती लिहीण्या इतपत,

नाही व्यक्तिमत्त्व माझे मोठे,

जीवन हे शेत, तर आई म्हणजे विहीर,

जीवन ही अथांग नदी, तर आई म्हणजे तीर,

जीवन ही शाळा, तर आई म्हणजे पाटी,

जीवन हे कामच काम, तर आई म्हणजे झुटटी,

आई तू ठव्हामधील भावली,

आई तू पावभामधील छत्री,

आई तू थंडीमधील शाल,

आता दुःख यावी खुशाल,

आई म्हणजे मंदिरातला ठंघ कळस,

आई म्हणजे अंगणातील तुळस,

आई म्हणजे भजनातील संतवाणी,

आई म्हणजे ढालवंटातील थंडगार पाणी,

आई म्हणजे आरतीच्या समईतील ढात,

आई म्हणजे वेदनेवर करणारी मात.



पुजा पांडूरंग मराठे
चतुर्थ वर्ष औषधनिर्माण शास्त्र

माणूस कशा अशावा

ठकार अशावा तर कर्णासारखा
 भाऊ अशावा तर भरतासारखा
 मित्र अशावा तर सुकामासारखा
 वक्ता अशावा तर विवेकानंदासारखा
 पुत्र अशावा तर रामासारखा
 भक्त अशावा तर धुवासारखा
 कवी अशावा तर कालीदासासारखा
 धर्नुधारी अशावा तर अर्जुनासारखा
 गुरू अशावा तर परमहंसासारखा
 जलपान अशावा तर श्रीमासारखा
 जहीन अशावी तर कौपकीसारखी
 आणि आई अशावी तर जिजामातेसारखी

नुतन चाखुकरवार

तृतीय वर्ष औद्योगिकशास्त्र

कॅलरीज

पैशांचा हिशोब डोक्यात ठेवला जातो
 पण, कॅलरीजचा हिशोब पोटात ठेवला जातो ॥

कॅलरीजचा हिशोब डोक्यातच नसतं
 म्हणूनच काय पण खायचं शुधतं ॥

कॅलरीजची गरज वेगवेगळी असते
 पत्येकाच्या कामावरती ती अवलंबून असते ॥

डॉक्टरांच्या सल्ल्याने आपली गरज काढा
 त्यांच्याकडून समजून घ्या कॅलरीजचा पाढा ॥

जादा कॅलरीजचे पदार्थ टाळायलाच पाहिजे
 सांगितलेले नियम तुम्ही पाळायलाच पाहिजे ॥

असं केल्यानंतरच निघांत तुम्हां जेवता येतं

मग जघा, "आदर्श वजन" करुं तुम्हां ठेवता येतं ॥

नुतन चाखुकरवार

तृतीय वर्ष औद्योगिकशास्त्र



गर्भपात झालेल्या मुलीकडून तिच्या पडिलांसाठी

आई तुझ्या कुशीमध्ये पडले होते छान
मऊ मऊ गर्भशाण्या माझी मीच होते भाग्यवान

ऐकु आली कुजबुज कोन महिने संपले
केली लिंगतपासणी कन्यावत्न निदान झाले

झाला निर्णय एकदाचा कसयचा गर्भपात
डोळ्या आलं पाणी धरून झालं काळजात

माझ्या मायमाऊलीने किती तुम्हा विनविले
ऐकले नाही तिचे कुणी पुरुषत्व फळा आले

विदीर्ण कहानी माझी कशी सांगू अजून
जग पहाण्याआधीच जग गेलं की संपून

तीर्थरूप म्हणू कशी आभा मी तुम्हाला
असहाय्य बालिकेचा निर्घुणपणे खून केला
पोटच्या पोरीचा तुम्ही निर्घुणपणे खून केला

सुभाष हाके

छिंदितिय वर्ष औद्योगिकनिर्माण शास्त्र

सुखी जीवन

कधी आनंदाचे छत्र, कधी निराशेची छाया
लागे भोपी पायवाट, कधी काटा टोचे पाया
कधी चढावरी जाणे, कधी लागतो उतार
भेटतसे दुःख कधीतरी, येते सुखाची बहार
येतो दूरचा जवळ, जातो जवळचा दूर
पाहोगिया खेळ ऐसा, पाटे मना हूरहूर
नभ वाटते डगांनी, कधी दृष्टी पडे ऊन
ऐसा मांडला पसारा, त्याला म्हणती सुखी जीवन

ऐश्वर्या बागल

टी.पाय.बी.फार्म



हे अक्षयं चालयचं

हे अक्षयं चालयचं, हे अक्षयं चालयचं
आम्ही तुमच्याकडे बघायचं
तुम्ही आमच्याकडे बघून,
न बघितल्या भारबळ करायचं
हे अक्षयं चालयचं, हे अक्षयं चालयचं

तुम्ही शिकण्यासाठी शाळेत जायचं
आम्ही तुमच्यासाठी शाळेत यायचं
शाळा झुटल्यावर तुम्ही घरी जायचं
आम्ही तुमच्या पाठी पाठी जायचं
दिवसभर आम्ही तुमच्या, गल्लीबोळातून फिरायचं
तुम्ही गच्चीत राहून, ठगीचच आमच्याकडे बघायचं
हे अक्षयं चालयचं, हे अक्षयं चालयचं

आम्ही तुम्हाला बघत बघत मोठे पहायचं
तुम्ही मोठं होऊन आमच्याच कॉलेजला यायचं
'Rose Day' च्या दिवशी, आम्ही तुम्हाला गुलाब
घायचं डेरींग होत नाही म्हणून ,
आम्ही नाव मात्र नाही लिहायचं
दुस-यानेच दिलाय अक्षं समजून
तुम्ही आनंदाने बिरकायचं
हे अक्षयं चालयचं, हे अक्षयं चालयचं

रोशनी ठपरपट
द्वितीय वर्ष औषधनिर्माणशास्त्र

ते दिवस

ते दिवस खरंच खूप छान होते,
अवखळ, खेळकर, मजेशीर
अन् ययानेही लहान होते
कसे निघून गेले कधी कळलंच नाही
मनाभारबळं प्रत्येकाला अजून छळलंच नाही!

खरी मजा केली तेव्हा विभरता न येणारी,
भांडण करूनही एकमेकांना अलगद समजून
घेणारी भांडण करायला तेव्हा विषय कुठे
होता?

एकमेकांच्या चहाडया करत दुपार निघून
जायची, संध्याकाळी परत आपली मैत्री फुलून
यायची, पटकन एक प्हायचो आपण; अन् सुर
प्यायचा पुन्हा खेळ क्षणभरात निघून जायचा
संध्याकाळचा सगळा वेळ.

आता मात्र भेटण्यासाठीही वेळ शोधायचा
लागतोय, भेटायला आता कॉलेजरनुसार मुहूर्त
पहावा लागतोय, न भेटण्याची कारणंशुद्ध
तयार ठेवलीत सगळ्यांनी, आठवणीचे धवे
भोडलेत मनात आल्यागेल्यांनी.

कोण कुठे निघून गेलं? आता पत्ताही लागत
नाही, भेटू म्हटलं तरी आता सहज कुणी भेटत
नाही, संपले ते दिवस ,फक्त आठवणी ताज्या
आहेत, तुमच्या आहेत का माहित नाही
पण..... अजून तरी त्या साझ्या आहेत.

दिपाली दि. डळवी
द्वितीय वर्ष औषधनिर्माणशास्त्र

UNFORGETTABLE COLLEGE LIFE

जिंदगी का सबसे फेवरेट कंपटर
पढ़ने को दिल करता है
बस एक बार वापस कॉलेज लाईफ
मे वापस लौटने को दिल करता है
आज हर वो एक बात याद आती है
कुछ भुरी कुछ अच्छी बातें याद आती हैं
कुछ बातें जो कल की ही बातें लगती हैं
मगर आज उन दोस्तों की यादें
दिल को बहुत हर्ट करती हैं
अबकी बार क्लास अटेंड
करने का मन करता है
होपहर की क्लास में ऑब्जेक्ट्स
करने का मन करता है
बैंक की क्यू में खड़े होकर कमेंट
पार्स करने का मन करता है
कुछ साले दोस्त एकजाम नाईट मे
रात भर बसाया करते थे
तो कुछ साले फोन पर चॅट करके ही
फ्युचर प्लॅनिंग बनाया करते थे
और सुबह उठ कर कहते
"यार थोडा मॅप ज्यादा मिलता
तो और थोडा पढ लेते"

सायली शिंदे
एन.वाय.सी.फार्म

कॉलेज झालं शुरू मी पण होतो जोमात
पाहून तिच्या अडक मग पडलो तिच्या प्रेमात
तिच्याच पुढेमागे घुटमळायला लागलं माझ मग
तिच्याचमुळे माझ सारं बदलून गेलं जीवन.

आनंद मला पहायचा तिला पाहून हसताना
तिच्याकडेच पाहत रहायचो ती येतांना-जातांना
तिच्यासाठी काहीही करायला तयार होतं माझ
मग ठठता असता स्वप्नीही तिचीच यायची
आठवण.

दुःख-याला खोलताना ती माझ मग जळायचं
हे जरा अतिथ होतय हे ही मला कळायचं
माझ्या मनात तिच्याशिवाय नव्हता कुठला
विचार तिच्या प्रेमात जाहलो होतो पुरता मी
लाचार.

तिला विचारण्याआधी शब्द येत नव्हते तोंडातून
माझ तुझ्यावर प्रेम आहे शेवटी म्हणालो हिंमत
करून तिचा तो नकार ऐकून हृदय माझे तुटले
मग खचलं माझं जीव दयाप्राप्ता वाटतो.

शेवटी केली मी माझ्या मनाची तयारी
अरे ही नायतर काय? मिळेल मला हिच्यापेक्षा
भावी मित्रांनो पोरीसाठी मरायचं नाही तुम्हाला
मी सांगत आहे चला निघतो आता सध्या मी
दुःखरीला शोधत आहे.

शुभाष हाके
एन.वाय.सी.फार्म

ज्ञेप

आकाशातला एक तारा आपला असावा
थकलेले डोळे उघडताच चमकुन दिशावा
एक छोटे जग प्रत्येकाजवळ असावे
जगाच्या या गर्कीत कुणीच एकटे नसावे
क्षितीजापलीकडे पाहण्याची दृष्टी असेल
तर क्षितीज नक्की गाठता येते
आपल्या रक्तातच धमक असेल
तर जगही जिंकता येते
आपले क्षितीज हे आपण पाहण्याच धाडस
एकदातरी कराच असात
असते आपल्या रक्तात जिद्ध व ताकद
त्या ताकदीला एकदा तरी अनुभवायच असात
उडत्या पाखरांना परतीची तमा नसावी
नजरेत सदा नवी दिशा असावी
घरटयाचे काय आहे खांधता येईल केव्हाही
क्षितीजांच्याही पलीकडे ज्ञेप घेण्याची
जिदक असावी!

आरती काभाडे

प्रथम वर्ष औषधनिर्माणशास्त्र

जय महाराष्ट्र

अजुनही खोष्ट झाली नाही धार शिवाबाच्या
तलवारीची कुणाचीही हिम्मत नाही "मराठीला"
अंपवण्याची , घासल्याशिवाय धार नाही तलवारीच्या
पातीला आणि मराठी शिवाय पर्याय नाही
महाराष्ट्राच्या मातीला
होय, मी "मराठा आहे
वाघाच्या जखड्यात घालूनी हात मोजुनी कात
अशी आमुची मराठयाची जात.
होय मी तोच मराठा ज्या कुळात छत्रपती
शिवाजीमहाराज जन्माला आले मी तोच मराठा
जिधेरक्त शिंपून महाराष्ट्र उभा केला राजांनी .
असंख्य अडचणीवर मात करीत सार्वांना सोबत घेत
चाल असलेला हा "मराठयाचा प्रवास सार्वांनि
एतिहासिक आहे. हया मातीनं आमहाला शिकवलय
निघडया छातीनं जगायला अर्थ दिलायं आम्ही
सहिष्णूतेला"
पुरूषांच्या खांदयाला खांद्या लावून वापरतानाही
आमच्या मुली "शालीनतेच्या" प्रतीक आहेत. घाम
गाळून नांगर ओढणाया नवयाची साथ फक्त हिच
सत्री देवू शकते अन भर सकाळी दारात बांगोळी
हिच्याच हातांनी सजते.
इतिहास तर आहेच पण आम्ही आता एक "उज्वल"
भविष्य घडवित आहोत कारण हल्ली येथे स्वास
विभारत चाललाय जगन्याचा अर्थ रसंदावत चालल्या
इथे माणूसकीच्या कक्षा

माधुरी किंडे

चतुर्थ वर्ष

जय
महाराष्ट्र

"श्री" संकल्पशक्ती

"केल्याने होत आहे रे, आधी केलेची पाहिजे" हि मराठीतील ठक्ती अर्थश्रुतच आहे, पण या ठक्तीचा संबंध आपण सरळसोटपणे कार्यासोबत लावतो, पण थोडा खोलवर विचार केल्यास हि ठक्ती वेगळाच गर्भीतार्थ मांडते, कारण कार्य हा एक प्रकारचा प्रतिज्ञाच आहे, ज्यासाठी प्रथम संकल्प करणे हि पहिली पायरी आहे. ह्या साकाला दिलेला प्रतिज्ञाच म्हणजे कार्य आहे.

खालवटापासून घरातील मोठे आपल्यावर चांगले संस्कार रुजविण्याचा प्रयत्न करत असतात, पण ह्या प्रयत्नात मुलांमध्ये संकल्पशक्ती अंगी आणविण्यासाठी लागणारे प्रयत्न तेकडे पडतात किंवा दुर्लक्षित राहतात. मात्र ज्या थोरांनी हे जाणले त्यांनी इतिहास घडविला आहे. जिजाबाई, छत्रपती शिवाजी महाराज, महात्मा ज्योतीबाबा फुले, सावित्रीबाई फुले ह्यांच्या संकल्पशक्तीने मोठे ऐतिहासिक व सामाजिक बदल घडले.

संकल्पशक्ती हि मनुष्याच्या जीवनात अतिशय महत्त्वाची बाब आहे. त्याशिवाय जीवनात ठग्नतीच नाही. कोणत्याही कार्याचा संकल्प केल्याशिवाय त्या कार्याचा आरंभ आणि कार्यपूर्ति शक्य नाही. संकल्पशक्ती विकसित होण्यासाठी वृद्ध आत्मविश्वासाची आणि प्रबळ इच्छाशक्तीची आवश्यकता असते.

आपण संकल्प केला म्हणजे कार्य पूर्ण झाले असे नव्हे, आपण संकल्प केला म्हणजे पहिल्या पायरीवर पाय ठेवला. इधून पुढे कार्यसिद्धीसाठी सतत केलेले प्रयत्न व कठोर मेहनत हेच मनुष्याने निश्चित केलेले लक्ष्य गाठण्याचा एकमेव व योग्य मार्ग आहे.

आजतागायत जे पण महापुरुष, संत, शास्त्रज्ञ होऊन गेले जे आपल्या सर्वांसाठी आदर्श आहेत, त्यांच्या यशामागे संकल्पशक्ती, वृद्ध आत्मविश्वास, कठोर परिश्रम व आत्यंतिक इच्छाशक्ती ह्याच गोष्टी आहेत.

मनात कधीही कुविचार आले असता त्यांना वृद्ध संकल्पशक्तीने व सद्‌विचारांनी दूर सारून चांगले विचार मनात रुजविले पाहिजेत. शुद्ध आणि स्वच्छ विचार हिच बुद्ध शरीर व मनस्वासाची गुरुकिल्ली आहे.

ह्या शुद्ध विचारांनीच मनुष्य कडीण समयी धीर न सोडता सखळ मनाने अखंड प्रयत्न करू शकतो. मनुष्यास जीवनात अपयश प्राप्त झाले तर ते दुर्भाग्यवशा न समजता आपल्या इच्छाशक्तीच्या जोरावर अथक प्रयत्नांनी यश नक्कीच प्राप्त होईल.

संकल्पशक्ती ही मनाला एकाच करून भरितष्कात ठप्पन होणा-या विचारांना चालना व योग्य दिशादर्शन करते. हे अत्र लक्षात घेऊन प्रत्येकाने आपले जीवन ठद्दीध्य निश्चित करून, त्याच्या प्राप्तीसाठी वृद्धसंकल्प, इच्छाशक्ती व सद्‌विचार मनात रुजवावला हवेत. हेच सद्‌विचार आणि प्रयत्न आपले सहघर्मी होवून परिणामस्वरूप ठद्देशानुसार आपणासर्वांना सफलता प्राप्त करून देवोत हिच ईश्वरचरणी प्रार्थना !

डॉ. दिग्गता स. पिंपळे
सहयोगी प्राध्यापिका

16. ENGLISH SECTION

"Something 'bout love"

My angel, why does your heart grow doubtful dear,

Tense and beating full of fear.

Last night as I lay sleeping,

A vision came to me,

It was of you sweetheart,

A wondrous sight to see

But, Empty....

Thats' how I feel without you,

Everyday that we're apart

Seems so timeless

Walking a thousand miles,

Thinking about you

And no one new

If someday you need me,

I'll be right there,

To bring back the laughter,

Deep inside your heart where its' found

You never do worry angel,

For I'll always be there,

To shoo away the sadness & to

Wipe away every single tear..

-Ajinkya.M.Bansod

S.y B.Pharm.



Jyoti Chitale
S.Y.B. Pharm



Mr. Sandeep Jadhav
S.Y.B. Pharm

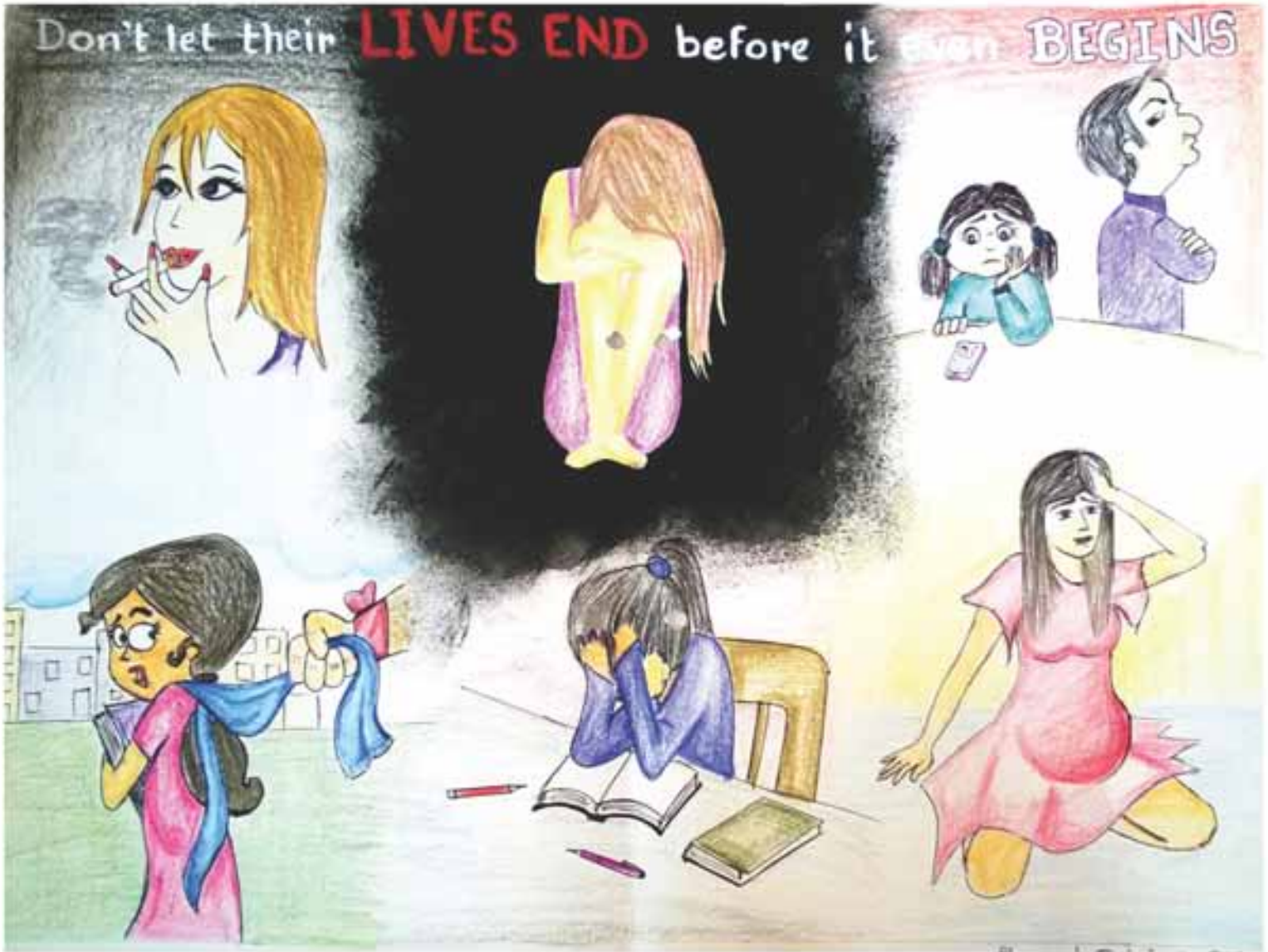


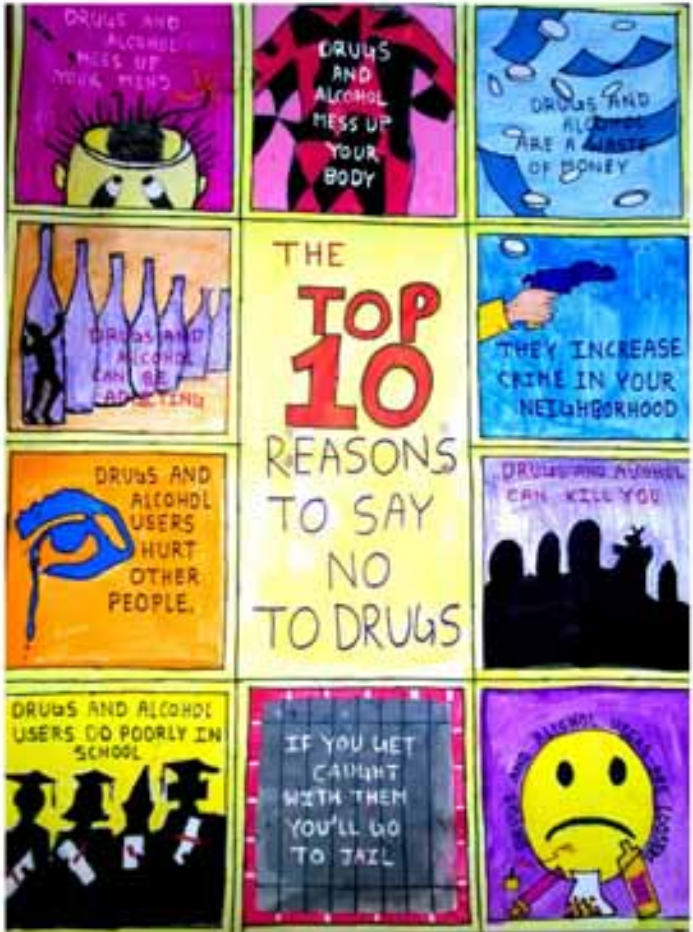
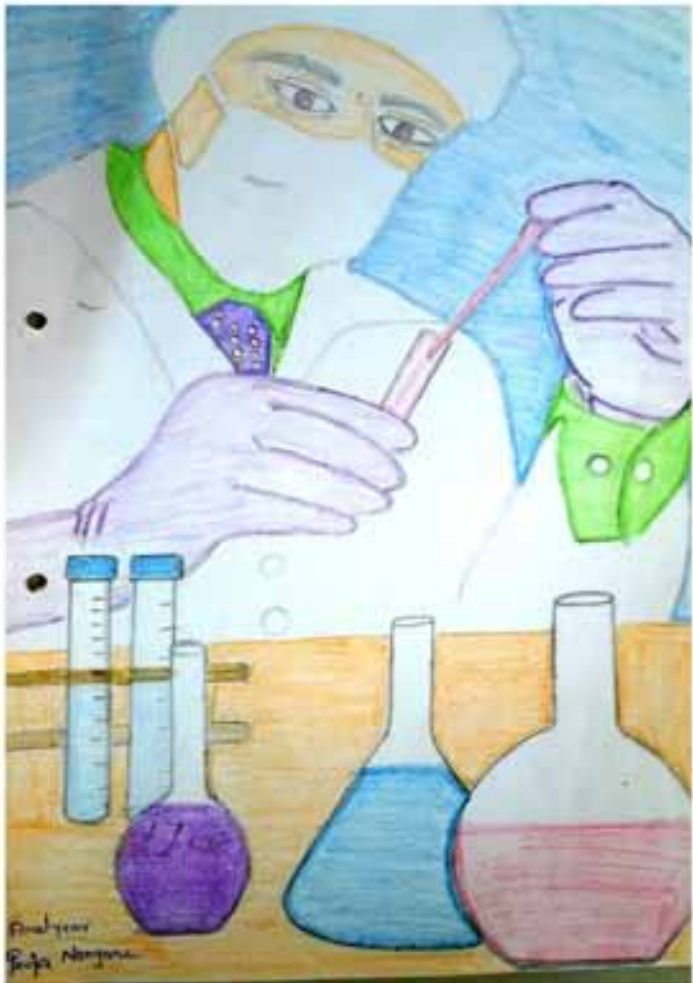
Sonali Kamble.
S.Y.B. Pharm.



Big-B
Shital
S.Y.B. Pharm









Our Gallery

Photo Gallery



Panacea 2016 Editorial Committee with Principal



Teaching Staff with Principal



Non Teaching Staff with Principal



First Year B. Pharm (2015-2016)

Photo Gallery



Second Year B. Pharm (2015-2016)



Third Year B. Pharm (2015-2016)



Final Year B. Pharm (2015-2016)



Department of Pharmaceutics
(Staff & M.Pharm Second Year students) (2015-2016)



Department of Pharmaceutics
(Staff & M.Pharm First Year students) (2015-2016)



Department of Pharmaceutical Chemistry
(Staff & M.Pharm students) (2015-2016)

Photo Gallery



Department of Pharmacology
(Staff & M.Pharm Second Year students) (2015-2016)



Department of Pharmacology
(Staff & M.Pharm first Year students) (2015-2016)



Department of Quality Assurance Techniques
(Staff & M.Pharm First Year students) (2015-2016)



Department of Quality Assurance Techniques
(Staff & M.Pharm Second Year students) (2015-2016)

ACADEMIC RANKERS (2014-2015)



Agrawal Himanshu
Final Y. B. Pharm.
1st rank 73.00%



Bhatt Kajalben
T. Y. B. Pharm.
1st rank 72.67%



Thakar Pradnya
S. Y. B. Pharm.
1st rank 74.91%



Gunjal Pradnya
F. Y. B. Pharm.
1st rank 75.18%



Kulkarni Akshata
M. Pharm. Pharmaceutics
1st rank 5.92 (CGPA)



Sharma Seema
M. Pharm. Pharmaceutics
1st rank 5.92 (CGPA)



Sherekar Divya
M. Pharm. Pharmaceutics
1st rank 5.92 (CGPA)



Bharti Swapnil
M. Pharm.
Quality Assurance Techniques
1st rank 5.75 (CGPA)



Kakade Pallavi
M. Pharm. Pharmacology
1st rank 5.70 (CGPA)



Mahajan Monika
M. Pharm.
Pharmaceutical Chemistry
1st rank 5.40 (CGPA)



COLLEGE INFRASTRUCTURE



Awards & Achievements



Prof. Atul Phatak
 Progressive Education Society,
 Ideal Teacher Award
 2007-2008



Prof. Shailaja Jadhav
 Progressive Education Society,
 Ideal Teacher Award
 2006-2007



Prof. Dipti Bandawane
 Progressive Education Society,
 Ideal Teacher Award
 2011-2012



Prof. Amit Tapkir
 Awarded for Poster Presentation
 at International Conference ACCP,
 Mumbai 2008-2009



Prof. Vitthal Chopade
 Nominated as NSS co-ordinator
 PCMC area University of Pune.
 2011-2012



Dr. P. D. Chaudhari
 Best Research Paper Award by IDMA (Indian Drugs), 2011-2012



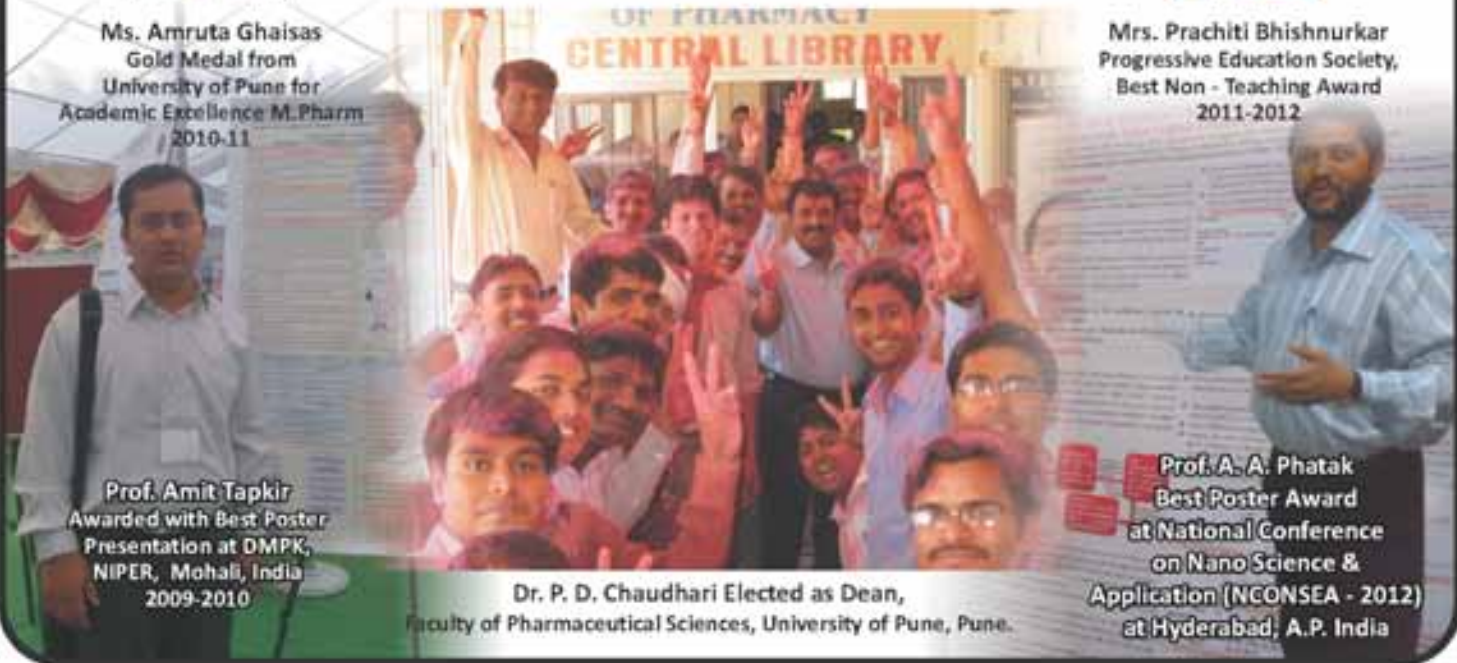
Mr. Dattatraya Kamble
 Progressive Education Society,
 Best Non - Teaching Award
 2007-2008



Ms. Amruta Ghaisas
 Gold Medal from
 University of Pune for
 Academic Excellence M.Pharm
 2010-11



Mrs. Prachiti Bishnurkar
 Progressive Education Society,
 Best Non - Teaching Award
 2011-2012



Prof. Amit Tapkir
 Awarded with Best Poster
 Presentation at DMPK,
 NIPER, Mohali, India
 2009-2010

Dr. P. D. Chaudhari Elected as Dean,
 Faculty of Pharmaceutical Sciences, University of Pune, Pune.

Prof. A. A. Phatak
 Best Poster Award
 at National Conference
 on Nano Science &
 Application (NCONSEA - 2012)
 at Hyderabad, A.P. India

Awards & Achievements



Mrs. Dipti Bandawane
Best Paper Award in IJPER By APTI



Mr. Vitthal Chopade
Best NSS Officer District
Level By UOP



Best NSS unit Award Received from University of Pune.

Mr. Omkumar Kakad
Poster Presentation at
63rd IPC, BENGALURU

Mr. Tushar Mahajan
Poster Presentation at
AVISHKAR 2010-11, Saswad, Pune



**R. L. NICORE AWARD FOR BEST RESEARCH
PAPER IN IJPER [2009]**





Dr. P. D. Chaudhari Principal & Mr. V. V. Chopade NSS Officer receiving award as Best NSS unit in University of Pune



Mr. V. V. Chopade NSS Officer, Modern college of pharmacy Nigdi Pune, receiving award as Best NSS programme officer in University of Pune

College Magazine "Panacea
2013" received Third Prize
by University of Pune (Student
Welfare Department)
intercollege Magazine
Competition.



Progressive Education Society's
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URL: www.mcpce.org.in, E-mail: mcpcefarm@hotmail.com



Won the "2nd STATE LEVEL STCOP
PHARMA CUP 2013", organized by Sitabai Thite College of Pharmacy, Shirur, Pune



Man of the Series: Vinod Chavan



Best Batmans in Series: Swapnil Ugile (Captain)



Intercollegiate Competition under NPW 2015 Pharma Ad-Mad Group I M.Pharm: Anil Inkare, Shweta Gaikwad, Shalaka Dhaana, Madhuri Dinde, Anuradha Patil, Snehal Uttekar Winner



BEST COLLEGE AWARD 2015-2016





54th IPC Trust 'Pharmacy Teacher of the Year Award' for the year 2014-15



Pharma HR Society's Principal of the year Award by MAHA APTICON, Nagpur for the year 2015-2016.

Seminars

**PUNE UNIVERSITY SPONSORED NATIONAL LEVEL SEMINAR ON
"Pharmaceutical Research, Regulation, Practice and more": 28th & 29th January 2012.**



Dr. Sanjay Boldhane
Associate Director, IDDR
Abbott Healthcare Pvt. Ltd., Mumbai



Inaugural Function



Dr. Subhashis Chakraborty
Head, Technical Services,
Evonik Degussa India Pvt. Ltd., Mumbai



Dr. Pravin Kamble
Product Patent Department
Abbott Healthcare Pvt. Ltd., Mumbai

**UNIVERSITY OF PUNE SPONSORED
NATIONAL SEMINAR**

ON

**"Pharmaceutical Research, Regulation,
Practice And More"**

28th & 29th January 2012

Organized By

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URL : www.mcpa.org.in - Email - mcpa@pharmindia.com



Dr. Sneha Joshi
Manager Corporate Regulatory division
Piramal Lifesciences, Mumbai



Dr. Abhijit Gothoskar
Professor, Dept of Pharmaceutics
Indira College of Pharmacy, Pune



Mr. Pankaj Shinde
Formulation Head,
Fusion Scientific Laboratories, Mumbai



Demonstration of Spray Dryer



Valedictory Function



Demonstration of Extruder - Spheroniser

Seminars

**PUNE UNIVERSITY SPONSORED STATE LEVEL SEMINAR ON
"Advances in Chromatography: A Practical Approach" : 10th & 11th February 2012.**



Dr. Sathiyarayanan L.
Associate Professor,
Poona College of Pharmacy, Pune



Inaugural Speech by Dr. R. K. Nanda
Prof., Pad. Dr. D.Y. Patil Inst. of Pharm.
Sci. and Res., Pune



Dr. Krishna Iyer
Professor
Bombay College of Pharmacy, Mumbai



Dr. Vaishali Shirsat
Professor
Bombay College of Pharmacy, Mumbai



Dr. Akshay Charegaonkar
Director, Anchrom Enterprises (I) Pvt. Ltd.
Mumbai



Dr. Manesh Jagtap
Assistant Manager
J. B. Chemicals and Pharmaceuticals Ltd.
Mumbai



Dr. Parag Gide
Director
MET's Institute of Pharmacy,
Bhujbal Knowledge City,
Met League of Colleges, Nashik



Valedictory Function

Seminars
PUNE UNIVERSITY SPONSORED DISTRICT LEVEL SEMINAR ON
"VALUE EDUCATION" 7TH FEB. 2013



Pasaydan by NSS volunteers



Welcome Speech by Dr. P. D. Chaudhari



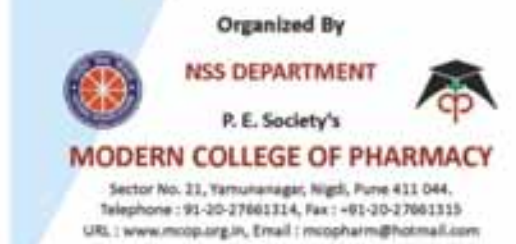
Resource person
Dr. Prabhakar Ghodke



Resource person
Mr. Bhanupratap Barge



Introduction of Guest By
Prof Sonali Nipte



Resource person
Dr. Shakera Inamdar



Resource person Dr Bhagwan Mali



Valedictory speech by
Prof. A A Phatak



Vote of Thanks By Prof V V Chopade

Seminars

**University of Pune sponsored, one day university level workshop
"Role of value based education and participation of youth in shaping the future of India", 27/12/2013**



Dr. S. S. Pimple
Giving introduction of resource persons



Dignitaries on stage



Dr. P. D. Chaudhari
MCOP & Dean Faculty of Pharmacy, University of Pune



Dr. Sanjay D. Chakane
Principal, Arts Science & Commerce College Indapur &
Ex NSS programme coordinator
University of Pune

Values

**UNIVERSITY OF PUNE SPONSORED
UNIVERSITY LEVEL WORKSHOP**
on

**Role of value based
education and participation
of youth in shaping
the future of India**

Date: 27th December 2013
Organized By
NSS DEPARTMENT
P. E. Society's
MODERN COLLEGE OF PHARMACY

Sector No. 21, Yamunanagar, Nigdi, Pune 411 044.
Telephone : 91-20-27962314, Fax : +91-20-27962315
URL : www.mcop.org.in, Email : mcopharm@hotmail.com



Dr. S R Pacharne
District coordinator Pune City



**Delegate expressing
feedback of workshop**



Dr. Rhshali Randhir
NSS Area coordinator Pune City



Mr V V Chopade
NSS programme Officer
& coordinator of workshop
expressing the vote of thanks



Dr. D D Balsaraf
Principal Indrayani ACS college
Talegaon & Member of Management
Council University of Pune



Dr. S. U. Jadhwar
Dean Faculty of commerce
University of Pune

Seminars

Savitribai Phule Pune University Sponsored National Level seminar

"Current Aspects of Technology Transfer and (Quality by Design) QbD in Pharmaceutical Research" : 10, 11 and 12 Oct. 2014.



Mr. Vardhaman Bafana
Research Associate, Sai Adventism Pharma Ltd,
Pune



Innauguration



Dr. Jitendra Bawaeja
Director, Research and Development
Emcure Pharmaceuticals Ltd., Pune



Mr. Rajendra Bandgar
Quality Control, R&D, Lupin Ltd. (Research Park)
Pune

Savitribai Phule Pune University
Sponsored National Level seminar
ON
"Current Aspects of Technology Transfer and
(Quality by Design) QbD in Pharmaceutical Research"
10th, 11th and 12th Oct. 2014

Organized By
 P. E. Society's
Modern College of Pharmacy
(Incorporated by MCA 21)
Sector 21, Yashwantrao, Nigdi, Pune-411 044.
Telephone - +91-20-27661315 Fax - +91-20-27661314
URL : www.mcp.ac.in . Email - mcp@2044@gmail.com



Dr. Subhashis Chakraborty
Head, Technical Services,
Evonik Degussa India Pvt. Ltd.



Dr. Suvarna Deshpande
GMP and Management Trainer
Consortium Group



Dr. Sanjay Boldhane
Associate Director, IDDR Abbott Healthcare
Pvt. Ltd. Mumbai



Mr. Dhavale Shrikant
Head, Formulation and Development
Sava Medica Limited



Dr. Sajeev Chandran
Assistant Director, Adv. Drug Delivery System
Research, Pharm. R&D,
Lupin Ltd. (Research Park), Pune



Mr. Sanjay Wagh
Head, QbD, Pharm. R&D,
Lupin Ltd. (Research Park), Pune

Seminars

Savitribai Phule Pune University Sponsored State Level seminar
 "Current Avenues in Pharmacological Research" : 16th and 17th January 2015



Inauguration

Savitribai Phule Pune University
 Sponsored State Level seminar
 ON

Current Avenues in Pharmacological Research

16th and 17th January 2015



Dr. S.B. Kasture
 Principal, Sanjivani College of Pharmacy,
 Kopergaon, Pune



Dr. Nitin Salvi
 Deputy Manager,
 Haffkine Biopharmaceutical Ltd., Pimpri, Pune 1



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 Telephone - +91-20-27661315 Fax - +91-20-27661314
 URL : www.mcpb.org.in , Email - mcpb44@gmail.com



Dr. Prasad Thakurdesai
 General Manager,
 Scientific Affairs, Indus Biotech Pvt. Ltd, Pune.



Dr. Rahul Somani
 Sr. Manager, Medical Services, Mumbai



Mr. Milind Gholve
 Associate Scientist,
 In vitro Pharmacology, NDDD, Lupin Ltd. (Research Park)

Savitribai Phule Pune University sponsored, one day university level workshop
"Swatch Bhart Abhiyan and Participation of youth for Shaping the Future of India", 4/3/2015



Seminars

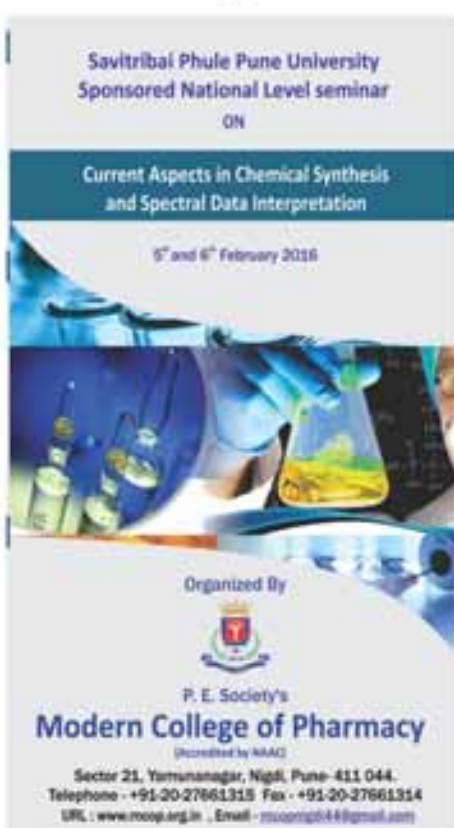
Savitribai Phule Pune University Sponsored National Level seminar
 "Current Aspects in Chemical Synthesis and Spectral Data Interpretation" : 5th and 6th February 2016



Innauguration



Dr. R. K. Nanda
 Professor & Research Co-ordinator,
 Dr. D.Y.Patil Inst. of Pharmaceutical
 Sci. & Res., Pimpri, Pune



Dr. K. R. Iyer
 Professor,
 Bombay College of Pharmacy,
 Mumbai



Dr. Krishnapriya Mohanraj
 Professor,
 Bombay College of Pharmacy,
 Mumbai



Dr. (Mrs) Vaishali A. Shirsat
 Associate Professor,
 Bombay College of Pharmacy,
 Mumbai



Mr. Sameer Chaudhary
 Director,
 RASA Life Science informatics,
 Erandwane, Pune-411004



Valedictory Function



Dr. M. N. Deodhar
 HOD, Dept. of Pharm. Chem.,
 SGRS College of Pharmacy,
 Saswad, Pune

Seminars

Savitribai Phule Pune University Sponsored State Level seminar
"Opportunities In Natural Product Formulation Research" : 12th and 13th February 2016



Innauguration



Dr. Ajay Namdeo
BV'S Poona College of Pharmacy



Dr. Vinod Kuber
SAVA Healthcare Ltd.



Dr. Gaurishankar Aland
Research Scientist



Dr. D. G. Naik
Agharkar Research Institute



Mr. Rahul Phate
Mrunalini's Special Herbs



Valedictory Function



Dr. Mukund Sabnis
Jeevanrekha Ayurved
Chikitsalaya & Research Center



**National Service Scheme Camp 2015-2016
at Shirgaon, Pune**





**National Service Scheme Camp 2013-2014
at Shirgaon, Pune**





Extension Activities

PLASTIC FREE INDIA CAMPAIGN

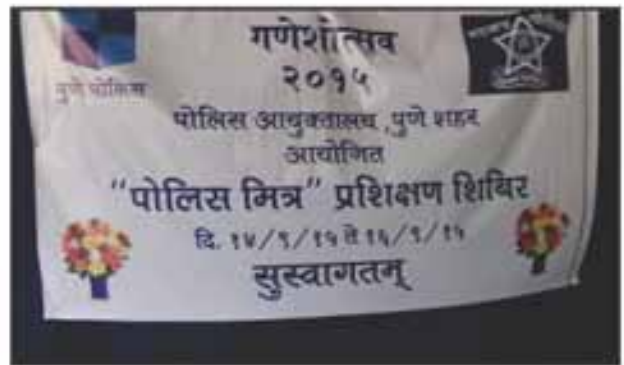


PULSE POLIO ABHIYAN



Extension Activities

POLICE MITRA TRAINING PROGRAMME ORGANISED BY PUNE POLICE



SANVIDHAN DAY DIWAS



HEMOGLOBIN CHECKUP CAMP AT GURU GANESH SCHOOL, NIGDI



Extension Activities

SAVE WATER CAMPAIGN



NIRMALYA SANKALAN PROGRAMME AT GANESH TALAV, NIGDI



CLEANING OF RAILWAY STATION AKURDI



Extension Activities



TRAFIC AWARENESS PROGRAMME AT NIGDI SQUARE





FIESTA 2014-2015





FIESTA 2015-2016

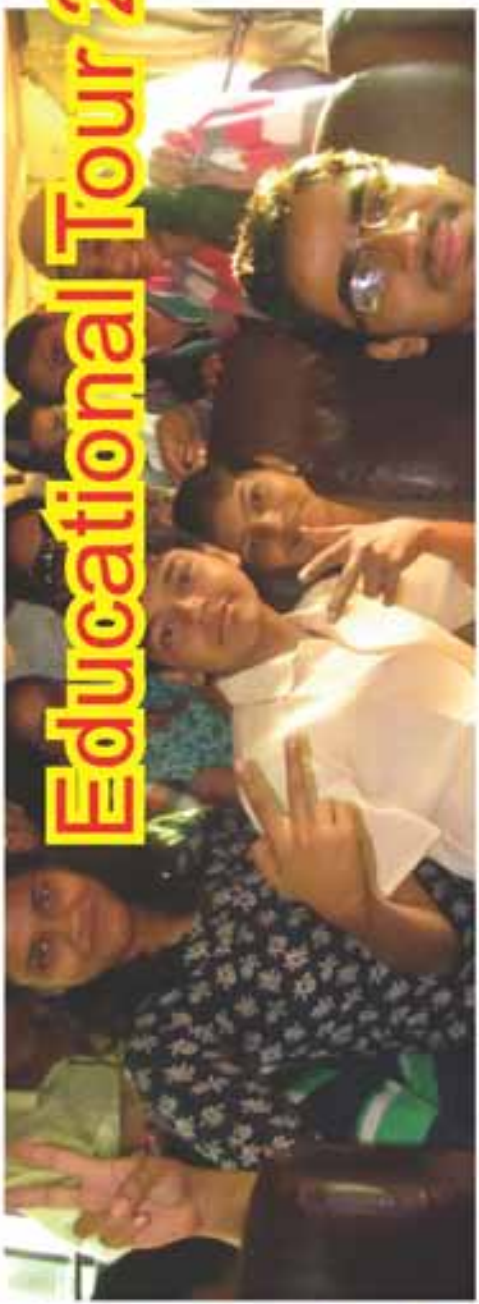




Ganapati Festival

2015-2016





Educational Tour 2015-2016



Industrial Visit



Nulife Pharmaceuticals Pvt. Ltd., Pune

Guest Lectures



Prof. Anil Dandekar
Retd. Principal, MIT College Pune.



Prof. Rajendra Marathe
Associate. Prof. , Aurangabad



Prof. Shailaja Sangle
Social Worker and Active Lions Club Member, Pune



Mr. Aniruddha Mahajan
TCS manager.
Grace Davison Chemicals India Pvt. Ltd. Pune.



Mr. Avinash Mokashi
Retd. Police Officer and Active Lions Club Member, Pune



Mr. Yogeshwar Kasture
Trainer and Consultant, Pune



Prof. Raje Vijay N.
Principal, Gaurishankar Pharmacy College,
Limb, Satara



Street play for awareness of Dengue/ Malaria



Circulation of Pamphlet for awareness of Dengue/ Malaria



Street play for Child trafficking



Awareness Rally on Occasion of National Pharmacy Week



54th National Pharmacy Week 2015-2016

Theme: Responsible Use of Antibiotics Saves Lives





Health Checkup 2015-2016



Sports 2014-2015





Sports 2015-2016



PARENT TEACHER MEET 2015-2016





Freshers Party 2015-2016



19. NEWS & PUBLICITY
2015-2016

लोकमत पुणे, मंगळवार, दि. 20 ऑक्टोबर 2015

प्राय पिंगरी ५ पुणे, पुणे २६ ऑक्टोबर २०१५

मॉडर्न विद्यालयात व्याख्यान
शिक्षणजगत
यमुनानगर, निगडी येथील प्रोग्रेसिव्ह एज्युकेशन सोसायटीचे मॉडर्न कॉलेज ऑफ फार्मसीमध्ये सायबर क्राइम विषयावर व्याख्यानाचे आयोजन करण्यात आले होते. या वेळी प्राचार्य पी. डी. चौधरी उपस्थित होते. पुणे क्राइम शाखेचे मानी पोलीस निरीक्षक अविनाश भोकारे फक्त सह्युत उपस्थित होते. इंटरनेटच्या माध्यमातून होणारी फसपत्रे व त्याचे फायदे-तोटे या विषयावर त्यांनी व्याख्यान दिले.

मॉडर्न महाविद्यालयात रस्ता सुरक्षा अभियान

पुणे : प्रतिनिधी
रास्ता सुरक्षा अभियान
मॉडर्न महाविद्यालयात रास्ता सुरक्षा अभियान राबवण्यात आले. यावेळी पोलीस निरीक्षक अविनाश भोकारे यांच्या मार्गदर्शनाखाली विद्यार्थ्यांनी रस्ता सुरक्षा अभियान राबवण्यात आले. यावेळी पोलीस निरीक्षक अविनाश भोकारे यांच्या मार्गदर्शनाखाली विद्यार्थ्यांनी रस्ता सुरक्षा अभियान राबवण्यात आले. यावेळी पोलीस निरीक्षक अविनाश भोकारे यांच्या मार्गदर्शनाखाली विद्यार्थ्यांनी रस्ता सुरक्षा अभियान राबवण्यात आले.

हॅलो पिंगरी-चिंचवड लोकमत पुणे, रविवार, दि. 28 ऑक्टोबर 2015

लोकमत पुणे, रविवार, दि. 8 फेब्रुवारी 2016

'पाणी वाचवा'साठी जनजागृती अभियान

पुणे : यमुनानगर निगडी येथील मॉडर्न कॉलेज ऑफ फार्मसी, राष्ट्रीय सेवा योजना विभागातर्फे राबविलेले 'पाणी वाचवा' जनजागृती अभियान सुरुवात झाले. यावेळी प्राचार्य डॉ. अविनाश चौधरी यांनी केले. यावेळी प्रा. अविनाश चौधरी यांनी केले. यावेळी प्रा. अविनाश चौधरी यांनी केले. यावेळी प्रा. अविनाश चौधरी यांनी केले. यावेळी प्रा. अविनाश चौधरी यांनी केले.

फार्मा कप स्पर्धेत मॉडर्नला उपविजेतेपद

पुणे : निगडी येथील प्रोग्रेसिव्ह एज्युकेशन सोसायटीच्या मॉडर्न कॉलेज ऑफ फार्मसीच्या क्रिकेट संघाने राष्ट्रीय स्तरावर फार्मा कप जिंकले. यावेळी प्रा. अविनाश चौधरी यांनी केले. यावेळी प्रा. अविनाश चौधरी यांनी केले. यावेळी प्रा. अविनाश चौधरी यांनी केले. यावेळी प्रा. अविनाश चौधरी यांनी केले.

निगडीच्या मॉडर्न महाविद्यालयाला विद्यापीठाचा पुरस्कार

सावित्रीबाई फुले पुणे विद्यापीठाच्या वर्षभरतीद्वारे दिवाळीच्या उपलक्ष्येनाने महाविद्यालयाचा पुरस्कार (शहरी) निगडीतील मॉडर्न कॉलेज ऑफ फार्मसीला, तर उत्कृष्ट सामाजिक महाविद्यालयाचा पुरस्कार रामनवमीच्या रोंड गोविंद रघुनाथ साखळे महाविद्यालयाला जाहीर झाला आहे. निगडीतील डॉ. टी. बापू पाटील इन्स्टिट्यूटचे डॉ. रंजेशकुमार जैन आणि वारामतीतील विद्या प्रतिष्ठानच्या इन्स्टिट्यूट ऑफ इन्फर्मेशन टेक्नॉलॉजीचे डॉ. अमोल गोरे यांना उत्कृष्ट प्राचार्य पुरस्कार जाहीर झाला आहे.

विद्यापीठाचा ६७ वा वर्षभरती दिन यहा फेब्रुवारी ऐवजी होत आहे. त्या पारवर्षीचे कुलगमनिय डॉ. संजय कट्टे यांनी पुरस्कारांची घोषणा

केली आहे. अत्यावसायिक अभ्यासक्रम चालविणाऱ्या महाविद्यालयांत नगर येथील न्यू आर्ट, कॉमर्स आणि चापना महाविद्यालय (शहरी) आणि चांदवड येथील आर्य कला, मोठा यशिन्य आणि जैन महाविद्यालय उत्कृष्ट ठरले आहे. अत्यावसायिक अभ्यासक्रम क्षेत्रात तसेगाव दाभाडे येथील डॉ. दत्तात्रेय नाडमराव यांना उत्कृष्ट प्राचार्य म्हणून पुरस्कार जाहीर झाला आहे.

हटपसर येथील 'जेएससीएम'च्या कॉलेज ऑफ फार्मसीमध्ये प्राध्यापिका डॉ. वैशाली भोसली यांना शहरी विभागात उत्कृष्ट शिक्षक तसेच अत्यावसायिक अभ्यासक्रम घटत (शहरी) नीरमळी वटिया महाविद्यालयाचे डॉ. लक्ष्मण चौधरी, राजगुरुनगर येथील (ग्रामीण) डॉ. सान्नी गिरे यांना उत्कृष्ट पुरस्कार

देण्यात येणार आहे. सर्वोत्कृष्ट शैक्षणिक कामगिरी पुरस्कारात सायबटे येथील राजर्षी शाहू कॉलेज ऑफ इन्जिनीअरिंगचे डॉ. परमेश चव्हाण आणि निगवण येथील कला महाविद्यालयाचे डॉ. भानुकर गजकुल यांना जाहीर झाला आहे.

राजगुरुनगर 'गुणवत्ता सेवक'

विद्यापीठातर्फे दिवाळीच्या उपलक्ष्येनाने उत्कृष्ट संस्कृत पुरस्कार विद्यापीठाचे सुरक्षा रक्षक भूमिंद्र राजगुरु यांना जाहीर झाला, तर डॉ. अंजली आठवले, डॉ. धनुष्य कुपेकर, डॉ. राजेंद्र पाटील, डॉ. जयकांत राठोरे हे राष्ट्रीय अंतरराष्ट्रीय स्तरावरील शैक्षणिक पुरस्कारांचे सन्मानार्थी आहेत, त्यांचाही गौरव केला जाणार आहे.

पिंपरी-चिंचवड

महाराष्ट्र टाइम्स, पुणे ■ शुक्रवार, ४ मार्च २०१६

फास्ट न्यूज

'मॉडर्न कॉलेज ऑफ फार्मसी'ला पुरस्कार

पिंपरी : सावित्रीबाई फुले पुणे विद्यापीठातर्फे दिवाळीच्या उपलक्ष्येनाने महाविद्यालयाचा पुरस्कार (शहरी) निगडीतील मॉडर्न कॉलेज ऑफ फार्मसीला मिळाला आहे. पुरस्कार मिळाल्याबद्दल महाविद्यालयात नुकताच उत्सवांचा साजरा करण्यात आला. कार्यक्रमात भारती विद्यापीठाचे कुलगुरु डॉ. शिवाजीराव कदम, अध्यक्ष डॉ. राजनन एकबोटे, सचिव डॉ. रामकांत देशमुख, न्योसना एकबोटे, डॉ. सुरेश तोंडकर, शरद इनामदार, प्राचार्य डॉ. प्रवीण चौधरी उपस्थित होते. कार्यक्रमाची सूचना डॉ. निकिता गायकवाड यांच्या ईमेलद्वारे झाली. प्राचार्य डॉ. पी. डी. चौधरी यांनी महाविद्यालयाच्या स्वागतोत्सव घालितो दिली.

निगडीतील मॉडर्न कॉलेजला 'सर्वोत्कृष्ट व्यावसायिक' पुरस्कार

सावित्रीबाई फुले पुणे विद्यापीठातर्फे दिवाळीच्या उपलक्ष्येनाने महाविद्यालयाचा पुरस्कार (शहरी) निगडीतील मॉडर्न कॉलेज ऑफ फार्मसीला मिळाला आहे. पुरस्कार मिळाल्याबद्दल महाविद्यालयात नुकताच उत्सवांचा साजरा करण्यात आला. कार्यक्रमात भारती विद्यापीठाचे कुलगुरु डॉ. शिवाजीराव कदम, अध्यक्ष डॉ. राजनन एकबोटे, सचिव डॉ. रामकांत देशमुख, न्योसना एकबोटे, डॉ. सुरेश तोंडकर, शरद इनामदार, प्राचार्य डॉ. प्रवीण चौधरी उपस्थित होते. कार्यक्रमाची सूचना डॉ. निकिता गायकवाड यांच्या ईमेलद्वारे झाली. प्राचार्य डॉ. पी. डी. चौधरी यांनी महाविद्यालयाच्या स्वागतोत्सव घालितो दिली.

अत्यावसायिक अभ्यासक्रम चालविणाऱ्या महाविद्यालयांत नगर येथील न्यू आर्ट, कॉमर्स आणि चापना महाविद्यालय (शहरी) आणि चांदवड येथील आर्य कला, मोठा यशिन्य आणि जैन महाविद्यालय उत्कृष्ट ठरले आहे. अत्यावसायिक अभ्यासक्रम क्षेत्रात तसेगाव दाभाडे येथील डॉ. दत्तात्रेय नाडमराव यांना उत्कृष्ट प्राचार्य म्हणून पुरस्कार जाहीर झाला आहे.

हटपसर येथील 'जेएससीएम'च्या कॉलेज ऑफ फार्मसीमध्ये प्राध्यापिका डॉ. वैशाली भोसली यांना शहरी विभागात उत्कृष्ट शिक्षक तसेच अत्यावसायिक अभ्यासक्रम घटत (शहरी) नीरमळी वटिया महाविद्यालयाचे डॉ. लक्ष्मण चौधरी, राजगुरुनगर येथील (ग्रामीण) डॉ. सान्नी गिरे यांना उत्कृष्ट पुरस्कार देण्यात येणार आहे.





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