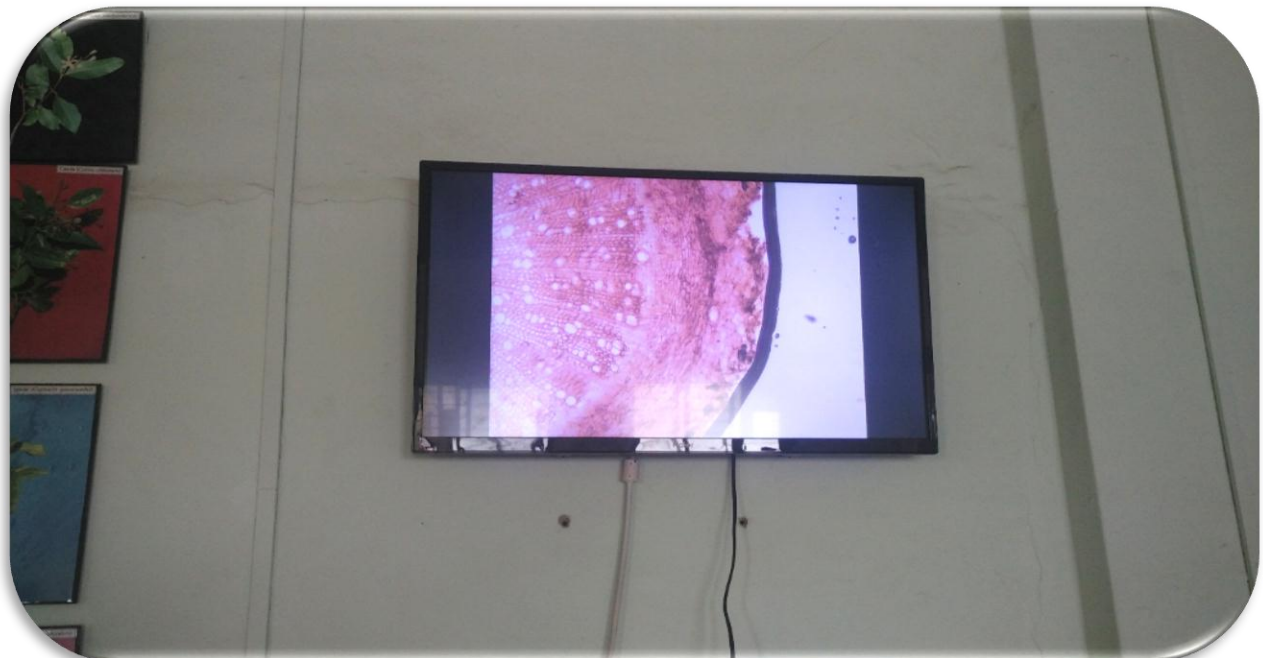


## LIVE & DIGITAL PHOTOMICROGRAPHY OF CRUDE DRUGS

- The histological characters are magnified with the help of digital camera on the screen to visualize the multi-dimensional anatomical architecture of the crude drug.
  - Besides the modified dark field microscopy helps to evaluate the characteristics of minute crystal & grains.
  - This method enables to gain empirical knowledge of histological complexities of crude drug
  - The students are asked to paste the colored photographs in their journals for better representation
- PO's attained: PO1, PO4, PO11



**Trinocular microscope attached to digital camera and the image is analyzed by computer**



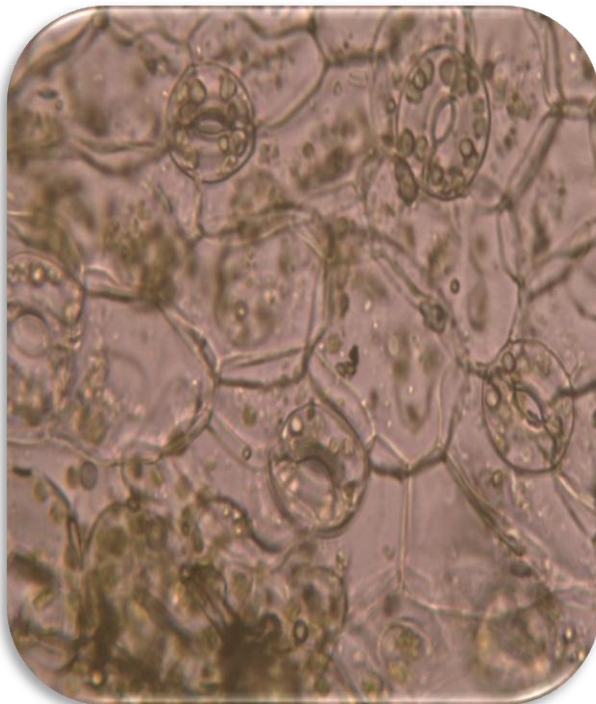
**The live image of the microscope is displayed on 32" LED screen in the laboratory**



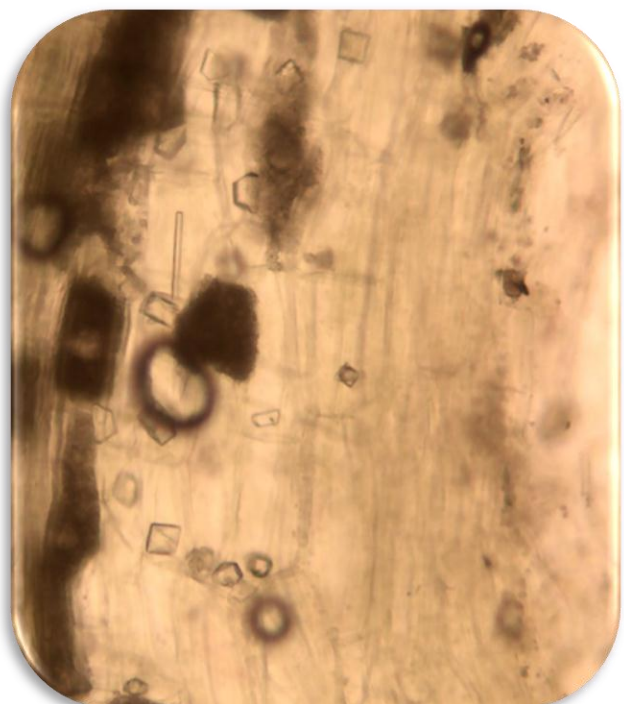
**Olympus trinocular microscope CH20 I**



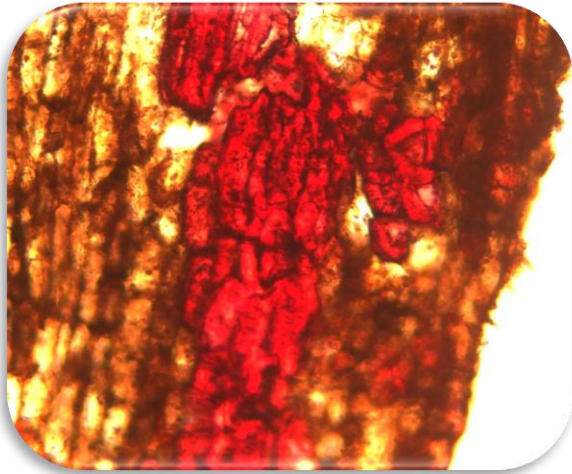
**Motic camera Moticam 2**



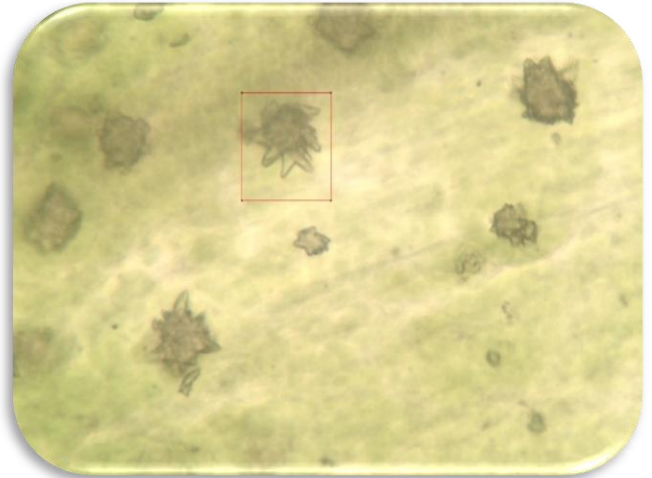
**Stomata**



**Calcium oxalate Crystals**



**Lignified Stone Cells**



**Rosette Calcium oxalate crystals**



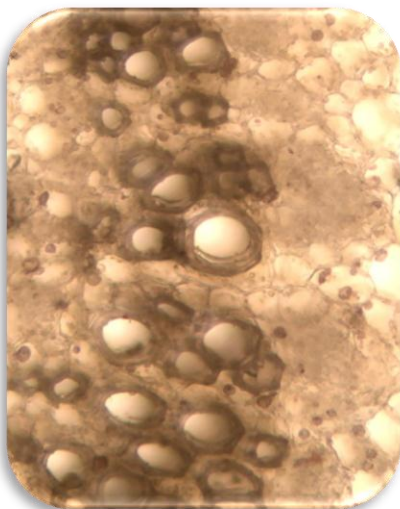
**Tracheids**



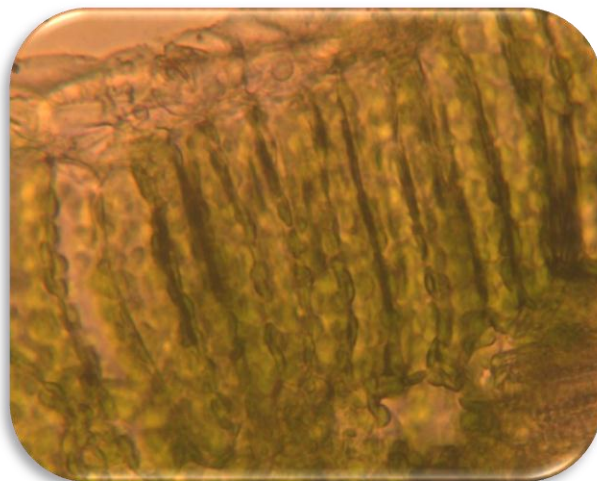
**Trichome**



**Glandular Trichomes**



**Lignified Xylem**



**Palisade Cells**