

**MAHARAJA GANGA SINGH UNIVERSITY, BIKANER**

**Ph. D. COURSE WORK IN BOTANY**

1. Microscopy- Light ,dark field, phase contrast, fluroscent, transmission and scanning electron microscopy.
  2. Photography- Micro,Macro, time lapse and video photography.
  3. Molecular Biological techniques- Southern, northenand western blotting, PCR, RELP and RAPD, electrophoresis.
  4. Chromatography- Paper, TLC, HPLC,GLC.
  5. Histological, Histo-chemical and cytological techniques.
  6. Herbarium techniques and charaterstic survey.
  7. Plant tissue culture technique.
  8. Colorimetry and spectro-photometry.
  9. Microbial culture techniques.
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