

## **PG BOTANY**

### **COURSE OUTCOME**

1. Identify algae from different habitat
2. Identification of fungi outside the syllabus
3. Identification of Bryophytes from different habitat
4. Identification of Pteridophytes different habitat
5. Analysis of water and soil quality
6. Field identification of Indian gymnosperms
7. Identification of chromosomal aberration
8. Identification of normal and anomalous primary and secondary features in plants
9. Preparation of anatomical key of various species under the same genus
10. Phytochemistry of plants
11. Measure the size of plant object using micrometry
12. Calibrate the pH meter and test the pH of different sample solutions.
13. Analysis of data through various biostatistical tools
14. Preparation of permanent slides of various plant material
15. Estimation of leghaemoglobin from root nodules
16. Making budding, layering, grafting in plants.
17. Doing hybridization method
18. Preparation of tissue cultured plant
19. Preparation of phylogenetic trees from DNA barcoding
20. Preparation of taxonomic keys from the same family and genus.
21. Identification of economically/ethnobotanically important plants in the surroundings and enumerate their use.
22. Blood group determination
23. Production of Wine, Vinegar