

Infrastructure / facility available in the Department

This Department is having good laboratory facilities occupying 4 laboratories rooms with the Instrumental / device facility as under A within the periphery of Soil Science wing. Instrumental facility as under B refers to the only instruments which has been created only under B.H. 10971 / 11971 / 12971 along with other University instruments in the "Central instrument laboratory", a separate University level laboratory operating adjacent to or within the periphery of Soil Science and Agricultural Chemistry Department with its full separate facility. For good running of Soil Science laboratory, Department is having three small store rooms for keeping and maintenances of laboratory chemicals, glassware, plastic/ lab ware etc. in good condition. However, three rooms are being utilized in the Department for research and administrative works by the respective staff members.

A. Instrumental and device facility:

1. Atomic Absorption Spectrophotometer
2. UV-VIS Spectrophotometer
3. Ion Analyzer
4. Water meter
5. Flame Photometer
6. Nitrogen Analyzer
7. EC- meter
8. PH-meter

9. Centrifuge
10. Yoder's wet sieve shaker (2 no.)
11. Electromagnetic sieve shaker
12. Plant Drying Cabinet
13. Hot Air Oven
14. BOD measuring system
15. COD measuring system,
16. Soil Tensiometer
17. Rotary Flash Evaporator
18. Stereo Binocular microscope,
19. Water Bath
20. Chlorophyll meter
21. Plant sample grinder

B. Instrumental facility under Central instrumental laboratory:

1. Microwave Digestion system
2. Atomic Absorption Spectrophotometer
3. HPLC
4. Skalar soil plant/ Nutrient/Enzyme Analyzer
5. Supercritical fluid extraction system
6. Spectrophotometer (fluorescence)