

Central Instrumentation Laboratory

List of Equipments

| S. No | Name of Equipment |
|-------|---|
| 1 | Atomic absorption spectrometer (Analytic Jena) |
| 2 | Capillary Electrophoresis (Beckman Coulter) |
| 3 | Circular Dichroism (Jasco, J-815) |
| 4 | DSC (PerkinElmer) |
| 5 | DSC with auto sampler (Mettler Toledo) |
| 6 | Elemental analysis CHNS (Elementar) |
| 7 | Fluorescence spectrometer (PerkinElmer) |
| 8 | FTIR (Nicolet) |
| 9 | FTIR with microscope & ATR assembly (PerkinElmer) |
| 10 | GC with Head Space (Shimadzu) |
| 11 | GCMS (Shimadzu, QP-5000) |
| 12 | GCMS ⁿ where n=5 (Thermo Fisher, Polaris Q) |
| 13 | HPLC with UV, PDA, Fluorescence & RI detectors (Shimadzu) |
| 14 | HPLC with UV & ELSD detectors (Shimadzu) |
| 15 | LCMS ⁿ where n=9, with APCI / ESI Probe (Thermo Scientific, LTQ-XL) |
| 16 | LCMS ⁿ where n=9 with APCI / ESI Probe (Finnigan Mat, LCQ) |
| 17 | Lyophilizer (Heto, FD-8-85) |
| 18 | Lyophilizer (Heto, FD-1-110) |
| 19 | MALDI TOF-TOF Mass Spectrometer (Bruker, Ultra flex) |
| 20 | NMR Spectrometer 400 MHz with auto sampler (Bruker) |
| 21 | NMR Spectrometer 60 MHz (Jeol) |
| 22 | NMR Spectrometer, 300 MHz (Bruker, DPX) |
| 23 | Polarimeter wavelength 365, 405, 436, 546, 589 & 633 nm (Rudolph) |
| 24 | Powder XRD with auto sample, temperature & humidity controller (Bruker) |
| 25 | TGA with auto sampler (Mettler Toledo) |
| 26 | Titro Processor with Karl fisher, Potentiometric titration, pH & pKA values (Metrohm) |
| 27 | Ultra Centrifuge, Refrigerated (Beckman Coulter, LE-80K) |
| 28 | UV / VIS double beam with sample temperature controller (Shimadzu) |
| 29 | UV / VIS Spectrophotometer, Diode array detector (Beckman) |