



## LIST OF INSTRUMENTS

### CENTRAL INSTRUMENTATION FACILITY (CIF)

Sl No	Instrument	Make & Model
1.	Atomic Absorption Spectrometer (AAS)	<b>Make:</b> Thermo Scientific <b>Model:</b> <ul style="list-style-type: none"> <li>i. iCE 3500 Double Beam Dual Atomiser AA Spectrometer</li> <li>ii. VP 100 Continuous flow vapor generation system</li> <li>iii. SOLAAR software</li> </ul>
2.	GCMS	<b>Make:</b> Thermo Scientific <b>Model:</b> <ul style="list-style-type: none"> <li>i. ISQ 7000</li> <li>ii. Trace 1300</li> <li>iii. AI 1310</li> <li>iv. TG-5MS GC capillary Col 30m×0.25mm</li> <li>v. Chromeleon software</li> </ul>
3.	HPLC	<b>Make:</b> Thermo Scientific Dionex <b>Model:</b> <ul style="list-style-type: none"> <li>i. LPG-3400 SD Ultimate 3000 Quaternary</li> <li>ii. SR 3000 Ultimate solvent rack</li> <li>iii. TCC-3000 SD UltiMate 3000 Thermostatted Column Compartment.</li> </ul> <b>Column:</b> <ul style="list-style-type: none"> <li>a. Hypersil GOLD, 5µm, 250 × 4.6mm</li> <li>b. Hypersil GOLD C8, 5µm, 250 × 5mm</li> </ul> <ul style="list-style-type: none"> <li>iv. DAD 3000 Diode Array Detector</li> <li>v. Refractomax 521</li> <li>vi. Chromeleon software</li> </ul>
4.	Water Purification System	<b>Make:</b> Thermo Scientific <b>Model:</b> Barnstead Smart2Pure UV/UF 6L/h
5.	Simultaneous Thermogravimetry – Differential Scanning Calorimetry (STA/TG-DSC),	<b>Make:</b> NATZSCH <b>Model:</b> STA 2500 Regulus
6.	FTIR Spectrometer	<b>Make:</b> Lambda Scientific <b>Model:</b> FTIR-7600 Wavelength: 7800 ~ 375 cm <sup>-1</sup> , Resolution: 1 cm <sup>-1</sup>
7.	UV-VIS Spectrometer	<b>Make:</b> SHIMADZU CORPORATION <b>Model:</b> UV 1900 Wavelength: 190 – 1100 nm Bandwidth: 1 nm

		Software: LabSolutions UV-Vis
8.	Fluorescence Microscope	Make: Euromex Microscopen BV Model: iScope, IS.3153-PLFi/6
9.	Cell Imaging System	Make: Invitrogen, Thermo Fisher Scientific Model: EVOS M5000
10.	Gel Documentation System	Make: Invitrogen, Thermo Fisher Scientific Model: E-Gel Imager, UV light Base (4466611, 4473061)
11.	Gel – Electrophoresis	Make: Invitrogen, Thermo Fisher Scientific Model: Power Snap Electrophoresis Device (G8100), System Starter kit, SYBR Safe 1.2% (G8351ST)
12.	Real Time PCR	Make: Applied Bio Systems, Thermo Fisher Scientific Model: QuantStudio 3
13.	Automated 5-Part differential hematology analyzer	Make: Erba Mannheim Model: H 560
14.	Automated Rotary Microtone	Make: Thermo Scientific Model: HM355S
15.	Laboratory Fermenter	Make: Brog Scientific Model: LF 3gi (in situ sterilizable)
16.	Microprocessor Based Automatic Bomb Calorimeter	Make: Optics Technology Model:
17.	Celestron Nexstar Evolution (Cassegrain), (Telescope)	Make: Celestron Model: NexStar Evo 9.25
18.	PCR System	Make: Eppendorf, Model: AG5331
19.	Biophotometer	Make: Eppendorf, Model: AG6132
20.	Gel Documentation System	Make: GeNei
21.	Electrophoresis System	Make: GNei, Model: MIDI vertical, horizontal system
22.	Spectrophotometer	Make: Thermo Scientific, Model- GENESYS UV-VIS
23.	Millipore Water System	MILLI Q Academic, ZMQS 50001
24.	Rice Sheller	Make: IKON, Model: IK – 710
25.	Rice Polisher	Make: IKON, Model: IK – 711
26.	Ultra Pure water purification system	Make: Millipore, Model: MilliQ (DQ).

27.	UV Visible Spectrophotometer	Make: Systronics, Model: 2201
28.	Digital Rotary Evaporator	Make : ANM Industries, Model R-2000 D
29.	Vacuum Packing Unit	Make : IKON, Model: IK 451
30.	Bursting Strength Tester	Make : Test Techno, Model: 810DM
31.	Crush Resistance Tester	Make: Test Techno, Model: H 100
32.	Lug Cap Sealing Machine	Make : IKON, Model: IK 416
33.	PCR Thermal Cycler	Make: HIMEDIA, Model: LA 949, Prima 96
34.	UV-Vis Spectrophotometer	Make: Systronics, Model: 2206
35.	Double beam UV-Vis Spectrophotometer	Make: Systronics, Model: 2206
36.	Single Beam Spectrophotometer (Vis)	Make: Systronics, Model: 104
37.	UV Chamber	365 nm, 254 nm
38.	Double beam UV-Vis Spectrophotometer	Make: Systronics, Model: 2206
39.	Electro & Laser Therapy Equipment	Make: BTL, Model: BTL-4825L SMART