

## Facilities

S.No.	Name of the Equipment	Make & Model
1.	X-Ray Diffractometer (XRD)	RIKAGU Japan, Smartlab 9KW
2.	Atomic Force Microscope (AFM)	NT-MDT Service & Logistics Ltd, Ireland
3.	Field Emission Scanning Electron Microscope (FESEM)	Carl Zeiss NTS GMBH, Germany, SUPRA 55
4.	Pulsed Laser Deposition (PLD)	Quanta System, Italy.
5.	RF Magnetron Sputtering Unit	Plassys, France& Model (MP300)
6.	E-Beam Evaporator	Plassys, France, MEB 600
7.	Thermal Evaporator	Hind High Vacuum, Chennai
8.	DC Magnetron Sputtering	Hind High Vacuum, Chennai, 12"MSPT
9.	Hydraulic press, die (6mm, 10mm & 25mm) and plunger	VB Ceramic Consultants, Chennai
10.	Ball Milling	Mansha Vacuum Technologies Pvt. Ltd., Bangalore
11.	Chemical vapor deposition (CVD)	Mansha Vacuum Technologies Pvt. Ltd., Bangalore
12.	Cutting Machine	STRUERS, Denmark, Accutom- 50
13.	Polishing Machine	STRUERS, Denmar, TegraMin- 25
14.	Stylus profilometer	Bruker Singapore Pte. Ltd., Singapore, DXT-15-1022
15.	Hall Measurement System HMS 7000	Ecopia corp., South Korea, HMS 7000-AHT55T5
16.	Potentiostat/ Galvanostat with Electrochemical Impedance Spectroscopy	Bio-Logic Sas, France
17.	High Temperature Furnace (1600°C)	VB Ceramic Consultants, Chennai
18.	Epifluorescence Microscope	Nikon, Japan, ECLIPSE 80I, NIKON
19.	Optical Microscope	Olympus, Japan, GX71 and BX51
20.	Rotary shaker (REMI)	REMI RS24BL
21.	Ultrasonic Sonicator	Oscar Ultrasonics Pvt. Ltd, Mumbai , Model. No. PR600MP
22.	Millipore filtration Water	Servell Engineers, Chennai
23.	Enspire Multimode Plate Reader	Perkin Elmer Singapore PTE, USA, Model No. 2000922
24.	Microtome	Leica Germany & Model No. 1492125RTS2
25.	Ice Flaker Machine	Telstar Laboratory Equipment B.V, The Netherlands, Model No.IF90
26.	Biological safety cabinet BS Level II	Hana Medical Supplies L.L.C., Dubai UAE, Model No. HYC-940
27.	CO <sub>2</sub> Incubator	New Brunswick Scientific Co., USA, CO48R-2301000
28.	Concentrator Plus	Eppendorf AG, Germany, Model No. 530500.304
29.	Cooling Centrifuge	Eppendorf AG, Germany, Model No. 5428000.414
30.	Leica M 165 FC Fluorescence Stereo Microscope with Digital Camera.	Leica Mikrosysteme Vertrieb Gmbh, Germany, M 165 FC
31.	UV-Vis NanoDrop Spectrophotometer	Thermo Fisher Scientific, USA, Model No. ND2000
32.	Preparative HPLC System with PDA Detector	Waters Ges.m.Bh, Austria, Model No. 176001735
33.	Zebrafish Facility	Aquaneering Inc.USA, Model No. ZS560
34.	Bioanalyzer 2100 Desktop	Agilent Technologies, Wiesental, Model No. G2940CA

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35.	Micromanipulator, Femto Jet Express	Eppendorf AG, Germany
36.	EVOS FL Florescence Microscope	JH BIO Pvt. Ltd, Bangalore, Model No: AMF-4304-XX
37.	Shimadzu Analytical Balance	Amkette Analytics Ltd, Secunderabad, Model No. ATX224
38.	Optical Microscope	Olympus/CX211
39.	Rapid Chloride Permeability Test (RCPT) and Concrete cutting machine	Darien Electric Madras, Chennai
40.	Carbonation Test Chamber	Ultra Thermo Scientific, Chennai
41.	Western Blotting System	Amkette Analytics Ltd, Secunderabad
42.	Ultraviolet-visible spectroscopy (UV)	Jasco International Co., Ltd., Japan, Model V – 670PC
43.	T100TM Thermal Cycler	Biorad, USA & Model No. 1861096
44.	Gradient Polymerase chain reaction (PCR)	Bio-Rad- Leads India Pvt. Ltd, Chennai.
45.	Digital bomb Calorimeter Apparatus	M K Scientific Instruments, New Delhi
46.	Hot Air Oven	Global Scientific Company ,Chennai
47.	Leica DM2000 LED Trinocular Contrast Microscope with HD camera, Germany	Leica Mikrosysteme Vertrieb G,bH-DSA Ernst- Leitz Strabe 17-37 35578, Wetzlar
48.	Tektronix 2450 : Interactive Digital Source Meter	Aarjay International Pvt. Ltd, Bangalore & Model No. 2450
49.	Kethily Instruments –I V	AARJAY International Pvt.Ltd., Bangalore & Model No. 4087611
50.	FRP Fume Hood	Srihari Scientific, Chennai, KFH
51.	Electrophoresis Blotting Unit	Leads India Pvt. Ltd, Chennai & Model No.1658003
52.	Orbital Shaker (Make:Rivotek)	Ultra Instruments,121, Chennai
53.	Ultrasonic Bath 4L	Labman Scientific Instruments Pvt. Ltd. West Bengal
54.	Rotatory vacuum Evaporator	BÜCHI Labortechnik AG, Switzerland
55.	Shimadzu Weighing Balance	Shimadzu (Asia Pacific) Pvt Ltd, Chennai
56.	Mini Dry Bath	Benchmark- Allied Scientific
57.	Rocker	Neolab- Allied Scientific
58.	UV transilluminator, Agarose Gel electrophoresis with Power pack	Yercaud Biotech- Allied Scientific
59.	SDS-PAGE Unit – Vertical Dual Electrophoresis with Power pack	Medox- Allied Scientific
60.	pH Meter	Elico
61.	Bio-Rad Mini protein tetra gel	Bio-Rad -Leads India Pvt. Ltd, Chennai.
62.	Centrifuge	Remi
63.	Refrigerator 265 liters	Whirlpool pvt. Ltd
64.	Rotary shaker (Rivtek)	Riviera glass Pvt., Ltd.
65.	Vertical Laminar Air Flow	Hasthas Scientific Instruments India pvt. Ltd, Chennai
66.	Incubator Shaker	Hasthas Scientific Instruments India pvt. Ltd, Chennai
67.	Vertical Autoclave	Hasthas Scientific Instruments India pvt. Ltd, Chennai
68.	Bacterial Incubator	Hasthas Scientific Instruments India pvt. Ltd, Chennai
69.	Electrical Furnace Grooved Muffle	Hasthas Scientific Instruments India pvt. Ltd, Chennai
70.	Dissection Microscope	MOTIC/SMZ168
71.	Pumping Chamber	M/s Quanta system, Italy

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72.	Shimadzu Capillary Gas Chromatograph	Shimadzu, Singapore, GC -2010Plus AF
73.	Rotational Vacuum Concentrator with accessories along with DLAB Thermo cycler PCR	Spark Systems, Hyderabad
74.	Vertical Autoclave	Hasthas™ Scientific Instruments India pvt. Ltd., 100L
75.	Remi Homogenizer	Remi Allied Scientific
76.	Table top High Speed Centrifuge	YINGTAI Instruments, TGL16