

Sr. No.	Equipment	Model	Make	Category	Faculty/lab name/centre name	Operation/Down
1	Powder X ray diffractometer	Smart Lab	Rigaku	Sophisticated instrument	AMRC	Operation
2	Nuclear Magnetic Resonance Spectrometer	PECX 500MHz	Jeol	Sophisticated instrument	AMRC	Operation
3	Transmission Electron Microscope	Technai G2s-Twin	FEI	Sophisticated instrument	AMRC	Operation
4	Confocal microscope	Eclipse Ti	Nikon	Sophisticated instrument	AMRC	Operation
5	Single crystal xray diffractometer	Supernova	Agilent Technology	Sophisticated instrument	AMRC	Operation
6	High resolution mass spectrometer(HRMS,LCMS and Nano LCMS)	Impact HD	Bruker	Sophisticated instrument	AMRC	Operation(LCMS is Down)
7	Field emission electron microscopy	Nova Nano SEM 450	FEI	Sophisticated instrument	AMRC	Operation
8	Gas Chromatography	7890A	Agilent Technology	Sophisticated instrument	AMRC	Operation
9	Atomic force microscope	Dimension Icon PT	Bruker	Sophisticated instrument	AMRC	Down
10	Pump probe system	SPTF -36F -1K-ACE	Spectra Physics	Sophisticated instrument	AMRC	Down
11	Physical property measurement system	Quantum PPMS Dyna cool	Quantum design	Sophisticated instrument	AMRC	Operation
12	Magnetic property measurement system	Quantum Design MPMS 3	Quantum design	Sophisticated instrument	AMRC	Operation
13	BET surface area measuring unit	Autosorb iQ3	Quanta chrome Instrument	Sophisticated instrument	AMRC	Operation
14	Rheometer	MCR 102	Anton paar	Sophisticated instrument	AMRC	Operation
15	Fluorescence spectrophotometer	Fluorolog	Horiba	Sophisticated instrument	AMRC	Operation
16	X Ray photoelectron spectroscopy	Prevac	Prevac	Sophisticated instrument	AMRC	Operation
17	Gel permeation chromatography	1260	Agilent Technology	Sophisticated instrument	AMRC	Operation
18	Fluorescence lifetime measuring system	Chronos BH	ISS	Sophisticated instrument	AMRC	Operation
19	Raman Spectrophotometer	Lab RAM HR evolution	Horiba	Sophisticated instrument	AMRC	Operation
20	High performance liquid chromatography	1260	Agilent Technology	Sophisticated instrument	AMRC	Operation
21	Thermo gravimetric analysis with differential scanning calorimetry	STA449F1	Netzsch	Sophisticated instrument	AMRC	Operation
22	Atomic absorption analysis	A analyst 400	Perkin elmer	Sophisticated instrument	AMRC	Down

23	Dynamic light scattering	Nano ZS	Malvern	General Characterisation Instrument	AMRC	Operation
24	Fourier-transform infrared spectroscopy	Carry 600	Agilent Technology	General Characterisation Instrument	AMRC	Operation
25	UV-vis Spectrophotometer	UV 2450	Shimadzu	General Characterisation Instrument	AMRC	Operation
26	Fluorescence spectrophotometer	Carry eclipse	Agilent Technology	General Characterisation Instrument	AMRC	Operation
27	Fluorescence lifetime measuring system	Delta flex PM	Horiba	General Characterisation Instrument	AMRC	Operation
28	Optical cum polarising microscope	eclipse LV100 POL	Nikon	General Characterisation Instrument	AMRC	Operation
29	Glove box	Labstar1200/780	Mbraun	General Characterisation Instrument	AMRC	Operation
30	Circular dichroism spectrometer	J 1500	Jasco	Sophisticated instrument	AMRC	Operation
31	Cyclic Voltametry	Autolab AU1 86543	Metrohm	Sophisticated instrument	AMRC	Operation
32	Cyclic Voltametry	Autolab	Metrohm	Sophisticated instrument	AMRC	Operation
33	X Ray photo electron spectroscopy (XPS)	Nexsa base	Thermo fisher scientific	Sophisticated instrument	AMRC	Down
34	Angle resolved photo electron spectroscopy (ARPES)	Nexsa base	Thermo fisher scientific	Sophisticated instrument	AMRC	Down
35	Pulsed laser deposition (PLD)	Nexsa base	Thermo fisher scientific	Sophisticated instrument	AMRC	Down
36	Liquid N2 Plant	LINIT 25 plant	Linde India PVT Ltd	Sophisticated instrument	AMRC	Operation
37	Stereo optical microscope	Sx25 system	MS Vision engineering	Sophisticated instrument	AMRC	Operation
38	Chem BET	Belcat II	Microtrac	Sophisticated instrument	AMRC	Operation
39	Gel permeation chromatography	DAD 30000 plus	Analytical	Sophisticated instrument	AMRC	Operation
40	UV-VIS- NIR Spectrophotometer	Lambda 750	Perkin elmer	General Characterisation Instrument	AMRC	Operation
41	Thermo gravimetric analysis	Pyris 1	Perkin elmer	Sophisticated instrument	AMRC	Operation
42	Differential scanning calorimetry	204 F1 Phoenix	Netsch	Sophisticated instrument	AMRC	Down
42	Lyophilizer	Freezone	Labconco	General laboratory equipment	AMRC	Operation

43	Centriguge	MultifugeX3R	Thermofisher scientific	General laboratory equipment	AMRC	Operation
44	Deep freezer -80 degree celcius	8600	Thermofisher scientific	General laboratory equipment	AMRC	Operation
45	Deep freezer -20 degree celcius	ES Series	Thermofisher scientific	General laboratory equipment	AMRC	Operation