NEW RESEARCH FACILITIES

JNCASR has always strived to provide its entire faculty and research students with the latest technologies, equipment, and top-notch facilities, which are essential to be able to carry out cutting-edge research. Some of the new facilities and equipment procured in this year are listed below.

Chemistry and Physics of Materials Unit (CPMU)

Critical point dryer, Supercontinuum source with accessories, AOTF acousto-optics, Dynamic light scattering system, STA 6000 TG DTA.

Engineering Mechanics Unit (EMU)

Microwave radiometer.

International Centre for Materials Science (ICMS)

Boston X86 supermicro server, imaging spectrometer, JeolEPR spectrometer, CCD detector for existing Horiba Labram raman spec, Infrared Fourier vacuum spectrometer, Seebeck coefficient thermal electrical resistance system.

Molecular Biology and Genetics Unit (MBGU)

Q-Exactive HF High-performance Orbitrap mass spectrometer, Multiphoton high sensitive high-resolution microscope, Titanium femtosecond laser, Antivibration breadboard table with compressor, Single cell analysis system, iBright CL1500 imaging system, Confocal Quantitative Image cytometer CQ1, BD FACS Aria fusion 3 laser system, Phenobooth advance colony counter.

New Chemistry Unit (NCU)

Battery cycler, Jasco circular dichroism spectrometer, HPLC System for both analytical cum semi prep, Microwave synthesizer automated with auto sampler, Spectrometer.

Neuroscience Unit (NSU)

Leica DM18 system.

Theoretical Sciences Unit (TSU)

Boston super micro super server, High performance computation and data storage.

Sheikh Saqr Laboratory

iBright FL1500 imaging system, Combiflash Nextgen 100 automated flash chromatography