Major Research Facilities at IISER Kolkata

- CHN Analyzer
- Digital Polarimeter (Rudolph)
- Electron paramagnetic resonance spectrometer (EPR)
- Matrix-Assisted Laser Desorption Ionization (MALDI)
- Differential scanning calorimeter (DSC)
- FIELD EMISSION SCANNING ELECTRON MICROSCOPY (FESEM)
- Fluorescence lifetime imaging microscopy (FLIM)
- Fluorescence spectrometer
- Gel Permeation Chromatograph, GPC (Waters)
- High Performance Liquid Chromatograph, HPLC (Waters)
- LC-MS (Waters)
- Micro-calorimeter (GE)
## Major Research Facilities at IISER Kolkata

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<td><img src="image1" alt="NMR Spectrometer" /></td>
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<tr>
<td>Surface area and Porosity analyzer</td>
<td><img src="image2" alt="Surface area and Porosity analyzer" /></td>
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<tr>
<td>Single crystal X-ray diffractometer</td>
<td><img src="image3" alt="Single crystal X-ray diffractometer" /></td>
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<td>Powder X-ray diffraction</td>
<td><img src="image4" alt="Powder X-ray diffraction" /></td>
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<td>Thermo Gravimetric Analysis (TGA)</td>
<td>![Thermo Gravimetric Analysis (TGA)]</td>
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<td>UV-Vis-NIR spectrometer, Cary</td>
<td><img src="image5" alt="UV-Vis-NIR spectrometer, Cary" /></td>
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<td>Dynamic Light Scattering, DLS (Malvern)</td>
<td>![Dynamic Light Scattering, DLS (Malvern)]</td>
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<td>Electrochemical set-up</td>
<td><img src="image6" alt="Electrochemical set-up" /></td>
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<td>RHEOMETER</td>
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<tr>
<td>NMR Spectrometer</td>
<td><img src="image8" alt="NMR Spectrometer" /></td>
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<tr>
<td>Single crystal X-ray diffractometer</td>
<td><img src="image9" alt="Single crystal X-ray diffractometer" /></td>
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<tr>
<td>UV-Vis-NIR spectrometer, Cary</td>
<td><img src="image10" alt="UV-Vis-NIR spectrometer, Cary" /></td>
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<td>Electrochemical set-up</td>
<td><img src="image11" alt="Electrochemical set-up" /></td>
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<td>Electrochemical set-up</td>
<td><img src="image12" alt="Electrochemical set-up" /></td>
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<tr>
<td>ELECTRON SPRAY IONIZATION MASS SPECTROSCPY(ESI-MS)</td>
<td>![ELECTRON SPRAY IONIZATION MASS SPECTROSCPY(ESI-MS)]</td>
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Major Research Facilities at IISER Kolkata

- Stable Isotope Ratio Mass Spectrometer
- GC-TC
- Elemental Analyzer
- MC-ICPMS
- GC-MS-MS
- Central imaging facility