



# केंद्रीय उपकरण सुविधा

## CENTRAL INSTRUMENTATION FACILITY

### About Us

The Central Instrumentation Facility (CIF), Central University of Jammu houses a good number of various sophisticated analytical Instruments used for high-end material characterization. The facility is run by Researchers and trained technical manpower, guided by experienced Faculty.

### Objectives

1. To provide quality research facilities to the academic institutes, universities, industries, students and researchers in support of advanced instrumentation.
2. To strengthen the facility with high-end research instrumentation making it a multidisciplinary scientific hub.
3. To conduct Internship programmes and workshops, wherein students from different universities in Jammu and other states can participate.
4. To enable research scholars from diverse universities to access and utilize sophisticated laboratory facilities.
5. To engage numerous scholars and scientists from diverse academic institutions in practical, hands-on experiences.
6. To undertake projects involving the synthesis and characterization of materials.

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### Instruments

### Powder X-Ray Diffraction



**Model: Rigaku Miniflex**



**Anton Paar (XRDynamic 500)**

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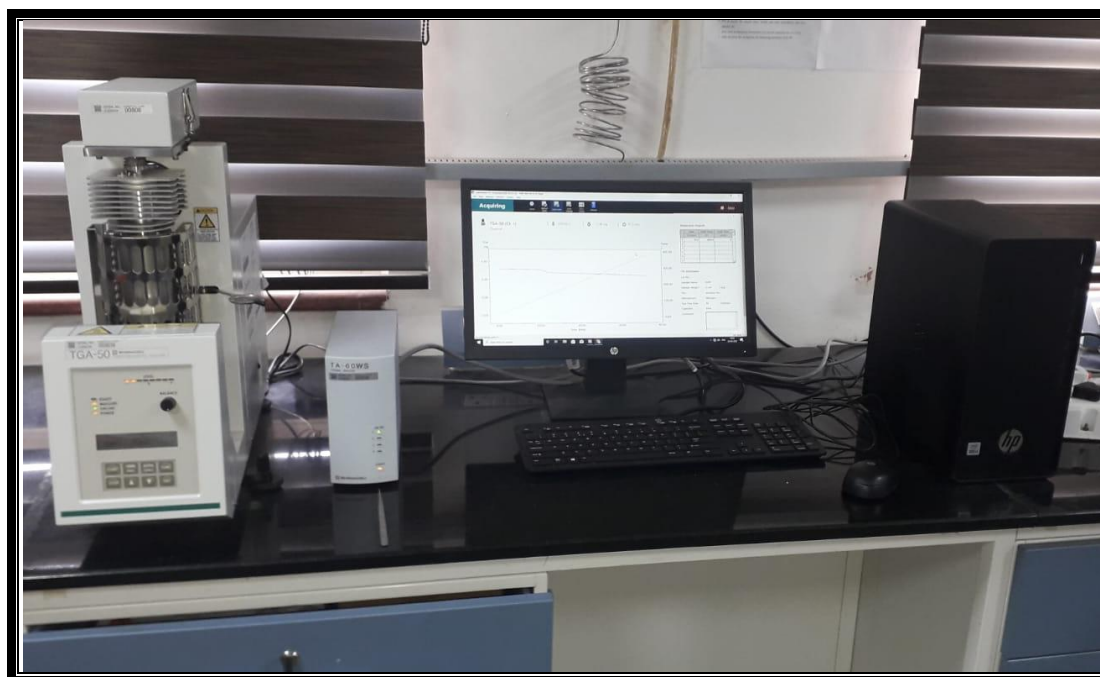
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### Fourier transform infrared (FTIR) spectroscopy



Model: IR Affinity 1S

### Thermogravimetric Analyser (TGA)

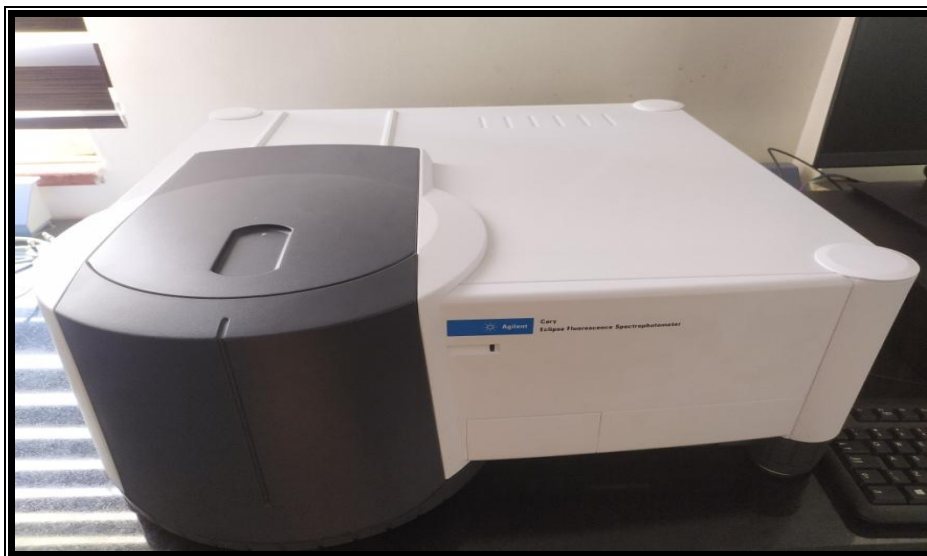


Model: TGA-50

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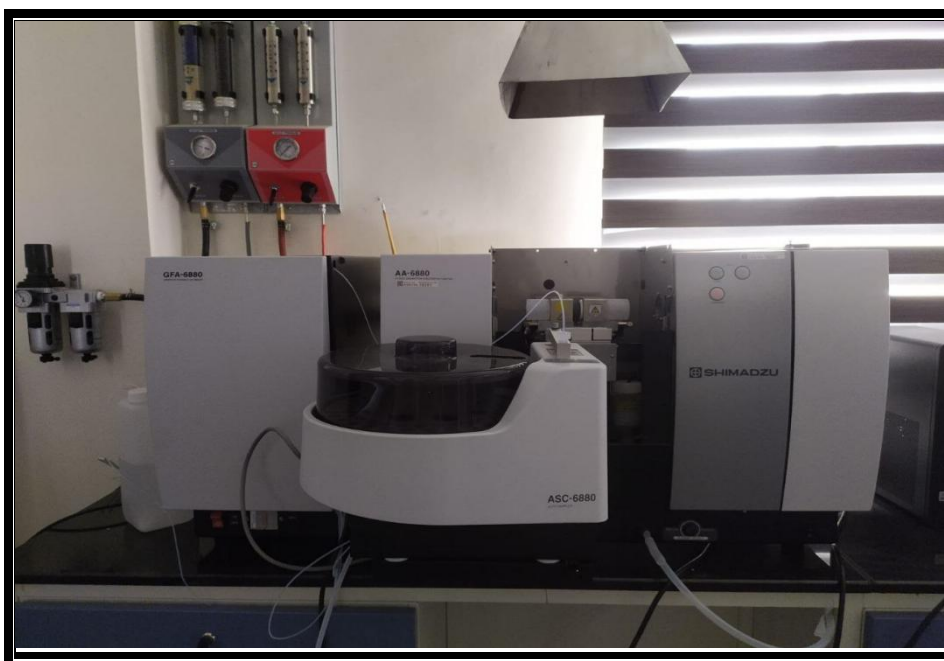
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### Photoluminescence Spectrophotometer (PL)



**Model: Cary Eclipse Fluorescence Spectrophotometer**

### Atomic Absorption Spectrophotometer (AAS)



**Model: AA-6880**

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### UV-VIS-NIR Spectrophotometer



Model: UV-3600 i Plus

### Dynamic Light Scattering Litesizer Series





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Model: Litesizer Series 500

**Particle Size Analyzer (PSA)**



**Model: PSA 1190**



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## CENTRAL INSTRUMENTATION FACILITY

### Automatic Weather Station



Automatic Weather Station designed by [AdvanceTech India Pvt Ltd](#)

## GALLERY





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**CENTRAL INSTRUMENTATION FACILITY**  
**PEOPLE**

**PROFESSOR INCHARGE**



**Prof. Vinay Kumar**

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**Dean, Basic and Applied Sciences**

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CENTRAL INSTRUMENTATION FACILITY

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केंद्रीय उपकरण सुविधा  
**CENTRAL INSTRUMENTATION FACILITY**

**STAFF**

**SENIOR TECHNICAL ASSISTANT (LABORATORY)**



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