

BOOKING AND ACCESS

- ❖ All bookings for analysis must be done by filling up the [sample analysis request form](#) and submitting the same along with a valid institution/Industry ID card, [Safety Data sheet](#) and [Declaration form](#) and the requisite fee.
- ❖ The sample analysis request form must be duly forwarded by the Supervisor or head of the institution/ industry.
- ❖ Booking requests should include details such as the instrument needed, sample information and the nature of the analysis required.
- ❖ Booking slots will be allocated based on availability and priority criteria set by the facility and will be shared through email.
- ❖ Access to the facility will be limited to authorized personnel only. Individuals will not be permitted to operate the instruments themselves.

SAMPLE ANALYSIS

- ❖ All sample analysis will be performed by trained and experienced facility staff members or designated expert users.
- ❖ The users will follow established procedures and protocols for sample preparation, instrument operation, and data acquisition.
- ❖ Confidentiality and intellectual property rights related to the samples and data will be respected.
- ❖ Turnaround times for analysis may vary based on the complexity of the analysis and the facility's workload.

PAYMENT AND FEES

- ❖ Payment must be made in advance by cash or using the following link at the time of booking or along with the submission of [sample analysis request form](#) [available \(https://www.subodhpgcollege.com\)](https://www.subodhpgcollege.com)
- ❖ The transaction details must be mentioned in the request form to reconcile the payment received.
- ❖ Additional fees may apply for rush analyses, specialized sample preparation or consumables used during the analyses.

SAMPLE SUBMISSION

- ❖ Samples for analysis must be properly labelled, packaged and accompanied by a completed sample submission form.
- ❖ The submission form should include relevant sample information, analysis requirements and any special handling instructions.
- ❖ Samples must be delivered to the facility during designated drop-off hours or by prior arrangement with the staff.
- ❖ The facility reserves the right to refuse any samples deemed hazardous, improperly packaged or lacking insufficient information.
- ❖ Samples can also be submitted via postal or courier service at the given address, accompanied by a [safety data sheet](#) such as sample descriptions, quantities, storage conditions, hazardous material [declarations](#) (if applicable) and a clear specification of the desired analytical services or nature of analysis required.

ADDRESS FOR CONTACT AND SAMPLE DELIVER

The In charge, (Dr. Balram Tripathi)
Central Research Lab Facility (CRLF),
Room No. 504
S. S. Jain Subodh P.G. College, Jaipur
E-Mail: crlssj2025@gmail.com
Contact: 9460067015

ACCOUNT DETAILS GIVEN BELOW FOR PAYMENT

A/C Name : S S Jain Subodh PG College
A/C No. : 06722191030218
IFSC No. : PUNB0067210



S.S. Jain Subodh P.G. College, Jaipur

Affiliated to the University of Rajasthan, Jaipur

Re-accredited with A⁺⁺ Grade (3.60 CGPA) by NAAC-UGC

Only college of Rajasthan ranked by NIRF, Ministry of Education, Govt. of India

College with STAR STATUS recognized by DBT, Govt. of India, New Delhi.

Declared as Model College by the Govt. of Rajasthan

Central Research Lab Facility Room No. 504



Guidelines for the Use of Central Research Lab Facility (CRLF) at S. S. Jain Subodh PG College, Rambagh Circle Jaipur

INTRODUCTION

The Central Research Lab Facility (CRLF) was established in the year 2023 with the support of the DST-FIST, DBT New Delhi and College grant.

The Central Research Lab Facility (CRLF) houses a wide range of major analytical instruments, operated and maintained by a team of dedicated members. Its primary goal is to support research students for a better outcome therefore the state-of-the-art facility is accessible to all researchers providing them with access to cutting-edge resources and equipment's for their research.

The CRLF is available for use by the students and faculty of S S Jain Subodh PG College Jaipur academic institutions, Research institutes and Industries.

OBJECTIVES OF CRLF

Instrumental methods of analysis are essential to any Research & Development programme. The primary objectives of the Central Research Lab Facility (CRLF) are:

- ❖ To provide advanced analytical support to facilitate cutting-edge research and development.
- ❖ To maintain and operate a wide range of major analytical instruments, ensuring their availability and optimal performance.
- ❖ To foster a collaborative environment where researchers from various disciplines can access and utilize state-of-the-art analytical tools.
- ❖ To support and enhance the quality of research by offering expert guidance and technical assistance.
- ❖ To contribute to scientific innovation and discovery by providing reliable and precise analytical data.

OTHER SYNTHESIS TECHNIQUES

Spin Coater, Prove Sonicator, Sonicator Bath, Magnetic Stirrer, Thermal Coating Unit, Hot Plate, Weighing Machine, Roll Mill, Muffle Furnace, Vacuum Oven, Battery Taster, Sieverts Apparatus, Hydraulic Press Machine etc.

The description of equipment and costs for various analysis and services is given hereunder.

S. N.	Instrument	Per Sample Charge (INR)
1	X-ray diffraction (XRD)	Rs. 500
2	FT-IR Spectrophotometer	Rs. 100
3	UV-Vis Spectrophotometer	Rs. 100
4	Impedance Analyser	Rs. 100
5	Keithley Electrometer	Rs. 100

X-RAY DIFFRACTOMETER

RIGAKU

Model No. : Miniflex-600
Item (C/N) : A000101125
Inputs : AC 100-240V 50-60Hz.
Serial No. : BD73000127-01
Source : Cu



FT-IR

SHIMADZU CORP.

Model No. : IRSpirit-L
Serial No. : A22406000500
Voltage rating : 100-240V
Frequency : 50-60Hz
Apparent Power : 75VA

UV-VIS SPECTROPHOTOMETER

SHIMADZU CORP.

Model No. :UV-1900i
Serial No. : A12536082745
Wavelength : 200-900nm



IMPEDANCE ANALYSER

WAYNE KERR ELECTRONICS

Model No. : 1J65120BD2
Serial No. : 1197413
Mains Input : 90-264V, 47-63Hz
RMS Current : 2.1A (Max.)



KEITHLEY ELECTROMETER

A TEKTRONIX COMPANY

Model No. : 2450 (Source Meter)
Serial No. : 4418805
A Greater Measure of Confidence

