



Central Instrumentation Facility

Supported through

DST-Promotion of University Research and Scientific Excellence (PURSE)
& Anusandhan National Research Foundation (ANRF)

at

Central University of Jammu, India

"Promotion of University Research and Scientific Excellence (PURSE)" is one of the Flagship Infrastructure programs of Department of Science and Technology, which commenced in the year 2009 exclusively for the University sector. The main objective of the scheme is to strengthen the research capacity of performing Indian Universities and provide support for nurturing the research ecosystem and strengthening the R&D base of the Universities in the country. In 2023, Central University of Jammu have been received Promotion of University Research and Scientific Excellence (PURSE) project entitled "**Drone technology based real time air pollution online monitoring at dumping sites in Jammu Region - adsorption & Sensors application using innovative biomaterials. (SR/PURSE/2023/204)**" sponsored by Department of Science & Technology, New Delhi.

Thermal Desorption Gas Chromatography Mass Spectroscopy (TD-GCMS)



Confocal Raman/AFM Microscopy



To achieve the Project, the following Instrumentation facility is created at university and is available for all institutions and industry for nominal charges on prior appointment:

Sr. No.	Instrument*	Modes	Industrial Users*	Academic Institutes outside CUJ*	CUJ Users*
1.	Confocal Raman/AFM Microscopy	Raman spectra	600/per sample	300 /per sample	150/per sample
		Raman Spectra with imaging	2000/per sample	1000 /per sample	500/per sample
		Confocal imaging	2000/per sample	1000 /per sample	500/per sample
		Raman with AFM imaging	4000/per sample	2000 /per sample	1000/per sample
2.	Thermal Desorption Gas Chromatography Mass Spectroscopy	Thermal Desorption	3600/per sample	1800 /per sample	1200/per sample
		GCMS	3000/per sample	1500 /per sample	1000/per sample
3.	BET Surface Area Analyser		3000/per sample	1500/per sample	600/per sample
4.	Electrochemical Workstation		2000/per hr	1000/perhr	400/ per hr
5.	Photoluminescence Spectroscopy	Liquid/solid	500/per sample	250 /per sample	100/per sample
6.	UV Visible Spectroscopy Shimadzu 2600	Liquid/solid	500/per sample	250 /per sample	100/per sample
7.	Gas Chromatography Mass Spectroscopy		3000/per sample	1500 /per sample	1000/per sample
8.	Solid phase extraction	Liquid/solid	500/per sample	250 /per sample	100/per sample

**Note: 18%GST to be added to these basic charges*

**PURSE Facility is open for all through Central Instrumentation Facility, Payment should be credit in: Central Instrumentation Facility, CUJA/c No. 0902040520000032
IFSC:JAKA0RAHYAA**

Email:head.cif@cujammu.ac.in; office.cif@cujammu.ac.in

BET Surface Area Analyser



Gas Chromatography Mass Spectroscopy



For more information, Kindly contact

Prof. Pawan Kumar, Faculty Incharge
Department of Chemistry and Chemical Science
Central University of Jammu

Email–pawan.nsm@cuammu.ac.in, pawan1.che@cuammu.ac.in

Ph no. +91- 8284814797



CENTRAL UNIVERSITY OF JAMMU
CENTRAL INSTRUMENTATION FACILITY
 Rahya Suchani Bagla Samba-181143, J&K, India

REQUISITION FORM FOR RAMAN-CONFOCAL-AFM (ATOMIC FORCE MICROSCOPE)

Email: head.cif@cuammu.ac.in; office.cif@cuammu.ac.in **(Payment should be credit in: Central Instrumentation Facility, CUJ A/c No. 0902040520000032 IFSC:JAKA0RAHYAA)**

User Information

User Type (Please tick as applicable)	:	Central University of Jammu <input type="checkbox"/> other Educational Institutions <input type="checkbox"/> R&D Labs <input type="checkbox"/> Industries <input type="checkbox"/>
Name:	:	
Designation:	:	
Supervisor Name	:	
Research Area	:	
Department & University / Institution/College	:	
Billing Name & Address	:	
Phone/Mobile Number	:	
E-mail Address	:	

Sample Details

Analysis Required: a) Raman spectra[] b) Confocal imaging[] c) AFM(contact or non-contact mode)[]

Sample ID/Thin film ID: _____

Other details: a) Integration time _____ Lazer power: _____

Sample Type: Sensitive/Robust _____

(**Thin films should be uniformly deposited and on non-fluoresce substrates. For AFM the film of fully soluble compound is prepared)

Payment Details

Amount paid:..... Draft No/Transaction ID..... Dated:.....

Recommendation from Head of Department

The above samples may be accepted on the behalf of our department/Institution

Signature of user

Supervisor's Signature

Signature of Head of Department
With official Seal

For office use only

Payment received vide receipt no.....DD/cash.....Dated.....Amount:.....

Job No. / Ref No. _____



CENTRAL UNIVERSITY OF JAMMU
CENTRAL INSTRUMENTATION FACILITY
 Rahya Suchani Bagla Samba-181143, J&K, India

REQUISITION FORM FOR TDGCMS (THERMAL DESORPTION GAS CHROMATOGRAPHY MASS SPECTROSCOPY)

Email: head.cif@cuammu.ac.in; office.cif@cuammu.ac.in **(Payment should be credit in: Central Instrumentation Facility, CUJ A/c No. 0902040520000032 IFSC:JAKA0RAHYAA)**

User Information

User Type (Please tick as applicable)	:	Central University of Jammu <input type="checkbox"/> other Educational Institutions <input type="checkbox"/> R&D Labs <input type="checkbox"/> Industries <input type="checkbox"/>
Name:	:	
Designation:	:	
Supervisor Name	:	
Research Area	:	
Department & University / Institution/College	:	
Billing Name & Address	:	
Phone/Mobile Number	:	
E-mail Address	:	

Sample Details

Analysis Required: a) Quantitative Analysis b) Qualitative Analysis

SAMPLE TYPE : a) NCE/drugs b) Organic comp. c) others

Sample ID: _____

Other details: a) Conc.: b) Molecular weight: c) Solubility: d) Boiling Point:

e)Source of the sample:

Pre-conditioned Temperature: _____

Sample Type: Powder/Thin film/ liquid _____

Payment Details

Amount paid:..... Draft No/TransactionID..... Dated:.....

Recommendation from Head of Department

The above samples may be accepted on the behalf of our department/Institution

Signature of user

Supervisor's Signature

Signature of Head of Department
With official Seal

For office use only

Payment received vide receipt no.....DD/cash.....Dated.....Amount:.....

Job No. / Ref No. _____