

<b>Name of the Instrument</b>	<b>Experiments</b>	<b>IIT Madras</b>	<b>External, academic</b>	<b>Industry</b>	<b>Solvent / charges extra</b>	<b>Instrument Operator</b>	<b>Telephone Number 044 - 2257</b>
NMR Bruker 500 MHz (AVANCENEO) / Bruker 400 MHz (AVANCENEO)	1D (1H/19F/31P)	₹400	₹500	₹1000	CDCl <sub>3</sub> (Rs.100/Sample)	Dr. Baskar . R	5199
	1D(13C/DEPT/11B & Other Neuclei)	₹500	₹750	₹2000	DMSO (Rs.250/Sample)		
	1D NOE	₹500	₹750	₹1500			
	VT-HT	₹400	₹500	₹1750			
	VT-LT	₹600	₹750	₹2500			
	2D-COSY, HSQC & HMBC	₹600	₹750	₹2500			
	2D – NOESY, ROESY, TOCSY & DOSY	₹1200	₹1500	₹5000			
Solid state (Per measurement)	₹1000	₹1500	₹5000				
AFM (Atomic Force Microscope)	Per sample	₹1000	₹2000	₹5000			
BRUKER D8 ADVANCE POWDER XRD	8-10 Min duration	₹200	₹400	₹2000		Mrs. Srividya . S	5207
Single Crystal XRD BRUKER D8 - Venture (IOE)	Unit cell determination	₹300	₹400	₹1250		Dr. Elias Jesu Packiam	5244
	Data collection at RT and structure determination	₹1800	₹2500	₹12500	For Cu		
	Data collection at Liq.N <sub>2</sub> Temp and structure determination	₹2200	₹3500	₹12500	Solving Rs.1000 extra		

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Single Crystal XRD BRUKER D8 - Quest	Unit cell determination	₹300	₹400	₹1250		Dr. Elias Jesu Packiam	5244
	Data collection at RT and structure determination	₹1800	₹2500	₹10000	Solving Rs.1000 extra		
	Data collection at Liq.N2 Temp and structure determination	₹2200	₹3500	₹12500			
Porosimeter (Micromeritics ASAP 2020)	Surface area, Pore volume, Pore size distribution	₹900	₹1000	₹2000		Mr. P. Chiranjeevi	5211
TGA (Q-500)	20 deg/min	₹500	₹600	₹1500		Mr. Naveen Menni	5204
TGA (Mettier Toledo TGA2)	20 deg/min	₹500	₹600	₹1500			
DSC (Q200 MDSC)	20 deg/min	₹800	₹900	₹2000			
DSC (Mettier Toledo DSC3)	10 deg/min	₹800	₹900	₹2000			
FTIR	Per sample	₹100	₹150	₹300		Mr. Rajkumar K	5225
UV-Visible Spectrometer	Per sample	₹100	₹150	₹300		Ms. Gopika Bijukumar D	5227
Fluorimeter	Per sample	₹100	₹150	₹300			
Q-Tof Mass	Unit Mass	₹300	₹400	₹750		Mr. Ravikumar . P	5229
	HRMS	₹700	₹750	₹1500			
WATERS HRMS (Xevo G3 Qtof)	Unit Mass	₹300	₹400	₹750			
	HRMS	₹700	₹750	₹1500			
CD Spectrometer	Per sample	₹300	₹350	₹600		Mrs. Reshma Sanal	5188

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MALDI (Bruker)	Per sample	₹600	₹750	₹1500		Dr. Elias Jesu Packiam	5244
ICP OES (Agilent 5800, Virtual dual view)	Per sample	₹500	₹1500	₹3000	For additional element Rs.150 extra	Mr. Jothimurugan	5211
ITC (Malvern)	Per sample	₹200	₹400	₹1000		Mrs. Reshma Sanal	5188
Confocal RAMAN (Oxford, Alpha 300)	Per sample	₹250	₹350	₹750	With mapping 500/700/2000	Mr. Jothimurugan	5211
TEM (JEOL TEM-2100 Plus)	Per sample	₹1000	₹1500	₹5000	Grid cost extra Rs.500	Mrs. Srividya . S	5200
GCMS (Shimadzu QP-2020 NX)	Per sample	₹500	₹750	₹1500		Mr. Ravikumar . P	5229
GC (Nexis GC-2030)	Per sample	₹250	₹500	₹750			
Polorimeter	Per sample	₹100	₹150	₹300		Mr. Rajkumar K	5225
XPS	Per sample	Per Sample Rs.2000/- (up to 5 elements)	Per Sample Rs.5000/- (up to 5 elements)	Per Sample Rs.8000/- (up to 5 elements)		Mr. Naveen Menni	5216
		Extra element Rs.200/-	Extra element Rs.500/-	Extra element Rs.800/-			
		Etching Rs.200/-	Etching Rs.500/-	Etching Rs.800/-			
		Depth Profile Rs.500/- per step	Depth Profile Rs.1000/- per step	Depth Profile Rs.2000/- per step			

## General Instructions:

- **Mode of Payment:** UPI Transaction or Online Account transfer to the bank account details given below.
- Kindly contact the concerned instrument operator before proceeding with the payment.
- **Working Days:** Monday to Friday (All Government Holidays are closed)  
**Working Hours:** 09:00 AM to 05:30 PM  
**Lunch Hour:** 01:00 PM to 02:00 PM
- The result date will be communicated based on the queue

## Payment Mode: UPI Transaction or Online Bank Transfer



### Bank Details:

Name: The Registrar, IIT Madras

Account Number: 2722101016162

IFSC CODE: CNRB0002722

Bank Name: Canara Bank

Branch Name: IIT Madras

### UPI ID:

**theregistrar16162@cnrb**