

**SOPHISTICATED INSTRUMENTATION CENTRE (SIC)**

**List of Sophisticated Instruments**

<b>SN</b>	<b>Instrument</b>	<b>Model No.</b>	<b>Make</b>
01	<b>Ultracentrifuge</b>	WX 100 Sorvall Ultra	Thermo Fisher
02.	<b>Nano Spray Dryer</b>	B-90 Advanced	Buchi
03.	<b>Powder X-RD</b>	D-8 Advance 206890	Bruker
04.	<b>Laser Raman Spectrophotometer</b>	Invia 784337	Renishaw
05.	<b>F T I R</b>	SN 340	BrukerTensor - 37
06.	<b>H P T L C</b>	SN 1906W021	CAMAG
07.	<b>R T P C R</b>	7500	Applied Biosystems
08.	<b>Rheometer</b>	MCR502S	Anton Par
09.	<b>Transmission Electron Microscope (TEM)</b>	G2 30 S-TWIN S.NoD.928	FEI -Company
10.	<b>Single Crystal X-RD (SCX-RD)</b>	Bruker KAPPA APEX II -SN455 4SAP#610075	Bruker AXS
11.	<b>Simulatanous Thermal Analyzer</b>	206.019.242	NETZECH
12.	<b>DNA Sequencer (3500 ABI)</b>	622--0010	Applied Biosystems
13.	<b>Inductively Coupled Plasma- MS (ICP-MS)</b>	Aurora M 90	Bruker
14.	<b>Atomic Force Microscope (AFM)</b>	INNOVA 43116 IN	Bruker
15.	<b>Scanning Electron Microscope (SEM)</b>	NOVA NANO SEM 450 SN 9921187	FEI
16.	<b>Nuclear Magnetic Resonance Spectrometer (NMR)</b>	Ecx- 500	JEOL
17	<b>Cell Sorter Flow Cytometer</b>	FASCSARIA III -4	BECTON DICKINSON
18.	<b>HPLC</b>	AUT FRA2.V	WATERS Ges.m.bH
19.	<b>Confocal Laser Scanning Microscope (CLSM)</b>	MEA53100	Nikon Corporation
20.	<b>Gas Chromatograph Mass Spectrometer (GC-TOF- MS)</b>	JMS T100GCV	JEOL ,ASIA
21.	<b>PCS based particle size analyser</b>	AUT FRA2.V;	Micromeritics Instrument Corporation
22.	<b>BET Surface Area Analyser</b>	BELSORP-MR6 M	BEL JAPAN Inc,
23.	<b>Spectroscopic Ellipsometer</b>	M-2000 U	JA Woollam & Co. USA
24.	<b>Electrochemical Work Station</b>	AUT128N FRA2.V	METROHM Neetherland

## About SIC

This facility was developed with support from UGC, New Delhi and DST-PURSE scheme. We aim to support and strengthen the scientific research and teaching by providing state-of-the-art instrumentation and expertise in applications of high-end sophisticated instruments to the researchers and students of university and other institutions.

The SIC at the Dr. Harisingh Gour Vishwavidyalaya, Sagar is equipped with Nuclear Magnetic Resonance Spectrometer, Single Crystal X-ray Diffraction, Powder XRD , LC-Mass Spectrometer, Scanning and Transmission Electron Microscope, Nanospary Drier, Particle Size Analyzer, Q-PCR and many more such instruments to facilitate our goal.

We welcome all the scientists, research scholars and students to utilize this facility for analyzing their samples and producing world-class publications. Details of the instruments and charges thereof are provided.

डॉक्टर हरीसिंह गौर विश्वविद्यालय  
DR. HARISINGH GOUR VISHWAVIDYALAYA  
(सेन्ट्रल विश्वविद्यालय / A Central University)  
कार्यालय निदेशक शैक्षणिक मामलों  
Office of Director Academic Affairs



aracademicaaffairs@gmail.com  
www.dhsgsu.ac.in  
(Ph.) 07582-265810  
(Fax) 07582-264236  
SAGAR-470003 (M.P.) INDIA

No. DoAA/2016/ 4349

22-07-2016

**NOTIFICATION**

It is notified that the 12<sup>th</sup> Academic Council meeting held on 04 & 05 July, 2016 and 19<sup>th</sup> Executive Council meeting held on 9<sup>th</sup> July 2016 approved the following charges for the samples to be carried out at Sophisticated Instrumentation Centre of the Vishwavidyalaya:-

Sl. No.	Name of the Sophisticated Instrument	Teachers and Researchers (Internal)	Teachers and Researchers (External)	Professionals and Others
01.	SEM- Per Hour Normal Sample (Without Au coating)	200=00	600=00	1200=00
	-GOLD COATING CHARGES/SAMPLE	400=00	900=00	500=00
02.	TEM- Per Hour/Sample	300=00	1000=00	2000=00
03.	AFM- Per Slot (90 Minutes)	300=00	600=00	1500=00
04.	SPECTROSCOPIC ELLIPSO METER	200=00	400=00	800=00
05.	CONFOCAL LASER SCANNING MICROSCOPE	150=00	300=00	600=00
06.	ELECTRO CHEMICAL WORK STATION Per Hour/Sample	150=00	250=00	500=00
07.	ICP-MS- 1 <sup>st</sup> Sample	500=00	1500=00	3000=00
	2 <sup>nd</sup> & Others	100=00	200=00	200=00
08.	BET- SURFACE AREA- ANALYSER	150=00	300=00	600=00
09.	PCS BASED PARTICAL SIZE ANALYZER PARTICLE-SIZE ZEETA- SIZE	100=00 125=00	150=00 200=00	250=00 300=00
10.	NANO SPRAY DRYER - AQUUS -NON-AQUUS	150=00 250=00	250=00 350=00	400=00 500=00
11.	HP-TLC- (Min. 01 Hour) Per Hour/Sample Known Sample-Single Separation	300=00 500=00	500=00 1500=00	1000=00 2000=00
	Un-Known Sample-Single Separation			
12.	FT-IR- Routine Spectrum/Per Sample	100=00	200=00	300=00
13.	SC-XRD (Data Collection)	300=00	900=00	2500=00
14.	Power-XRD Per Hour Data Collection	150=00	300=00	500=00
15.	Rheometer	150=00	500=00	800=00
16.	REAL TIME POLYMERASE CHAIN REACTION	250=00	500=00	1000=00
17.	ULTRACENTRIFUGE	100=00	200=00	400=00
18.	SIMULTANOUS THERMAL ANALYSER Heating for One Hour	300=00	600=00	1200=00
	Above One Hour	500=00	1000=00	1800=00
19.	LASER RAMAN SPECTROMETER- Normal -Low Temp.	150=00 300=00	300=00 1000=00	600=00 2000=00
20.	DNA SEQUENCER	600=00	1000=00	1500=00
21.	CELL SORTER FLOW CYTOMETER (Exclusive- antibody)	500=00	1000=00	1500=00
22.	GC-TOF-MS	400=00	1000=00	2500=00
	GC-MS	300=00	500=00	1000=00
I.	Double Distilled Water - Per Litre	50=00	50=00	50=00
II.	Ultra Pur Water - Per Litre	100=00	100=00	100=00
III.	LIQUID NITROGEN (LN <sub>2</sub> ) - Per Litre	75=00	75=00	75=00

PG students of the University carrying out project work shall be exempted from payment for reasonable number of samples, provided their request for exemption is recommended by the concerned Head of the Department.

This will come in force with effect from the date of this notification.

By Order,

Assistant Registrar  
(Academic Affairs)

Copy to:

1. All Deans/HoDs
2. Notice Board (Academic Deptts)
3. Deputy Registrar O/o Registrar
4. Secretary to the Vice Chancellor
5. Guard File



Assistant Registrar  
(Academic Affairs)