

About the University

The founder and mentor Sir Doctor Harisingh Gour desired to establish an educational institution to provide an opportunity for higher learning for the benefit of rural and deprived population of Central India. Inspired by Cambridge and Oxford Universities Doctor Harisingh Gour established the University of Sagar on July 18, 1946 out of his lifelong earnings. The University was the sixteenth university in the country and the first in the State of Madhya Pradesh at that time. The University was upgraded as Central University on January 15, 2009, by the Central University Act, 2009. The University campus is spread over an area of about 1300 acres, surrounded by lush green forests, and is situated in a natural and eco-friendly environment. There are 39 independent teaching departments in the University, some of them are recognized Centres of the UGC and DST under the DRS, PURSE and FIST programmes. The University has well qualified and experienced faculties (www.dhsgsu.irins.org) who are continuously engaged in providing quality teaching and research to the knowledge-seeking young scholars. The Banking, Postal, Health & Sanitation, shopping complex, Indian Coffee House (ICH), and Cafeteria services are available at the University premises. The Jawaharlal Nehru Library of the University has more than 4,00,000 books. The University has various Centres and provides a congenial academic atmosphere to the learners to nurture their potential for excellence. Academic Departments, Hostels and Libraries are well equipped with Wi-Fi through National Knowledge Network (NKN) and e-resources are accessible through Wi-Fi. The Integrated University Management Systems (IUMS) and Learning Management Systems (LMS) are available for providing all the possible online facilities. The NAAC has awarded A+ Grade re-accreditation to this University in 2023.



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National Workshop

on

“Instrumental Methods for Chemical Analysis”

(26th, 27th & 28th February, 2024)



Organized by

Department of Chemistry
Dr. Harisingh Gour Vishwavidyalaya Sagar (MP)
(A Central University)
Sagar 470003 (M.P.), India.

About the Department of Chemistry

The Department was established in 1946 right from the inception of the University under the guidance of Prof. A. K. Bhattacharya and Dr. S. N. Banerjee. It has been relentless and pioneer in spreading the chemical education in each nook and corner of the globe completing 78 years of successful journey by 2024. Under devoted teachers, the Department made significant contributions to chemical research and technology and trained several hundreds who are carrying out excellent work elsewhere. The broad areas of present research interest of teachers include – Nanoscience & Technology, Nanocomposites, Nanoporous materials, Heterogeneous Catalysis, Coordination Chemistry, Bioinorganic Chemistry, Synthetic & Structural Inorganic and Organic Chemistry, Organometallics, Analytical Chemistry, Electrochemical Sensors and Supercapacitors, Electrochemistry, Fuel Cell technology & thin films, Material Science, Lipid Chemistry, Peptide Chemistry, Environmental Chemistry, Applied Industrial Chemistry, Water & Soil analysis, Ultrasonic & Sonochemistry, Chemical Kinetics, Ionic liquids, Heterocyclic Chemistry, Chemical biology, Natural Products, Medicinal Chemistry, Theoretical and Computational Chemistry, etc. More than thousand papers have been published in different journals of National and International repute from the Department by now. With the aim of academic technological interaction, syllabi of the UG, PG and PhD courses have been updated keeping in pace with NEP-2020. Apart from core papers, there are several Skill and Ability enhancing elective papers (based on UGC scheme) from each branch of Chemistry, to meet the Choices of students. A Special Assistance Program (SAP) sanctioned by UGC on “Development of Advanced Electro Analytical Methods for Screening of Biomolecules, Phytochemicals, Pharmaceuticals and modified Drugs” has been completed in the Department. The Department has also been sponsored FIST (infrastructural assistance) program of DST. The Department is also having good instrumental facilities ; namely Rheometer, Powder X-ray Diffractometer, GCTOF-MS, HPLCQTOF-MS, BET surface analyzer, UV-Visible spectrophotometer, FT-IR spectrometer, Electrochemical Work Station etc. The Department is privileged with handling various Major research projects sanctioned by different funding agencies such as DST (Nanoscience), DST (SERB), MPCOST, UGC, BRNS etc. The faculty members are making remarkable contribution in teaching and high quality research . Some National and International collaborations , are also to the credit of departmental faculty. Several faculty members have availed prestigious international exposure and fellowships such as Commonwealth Academic Staff Award Fellowship (UK), Alexander Von Humboldt (AVH) Fellowship, DAAD, UGC-Visiting etc.



About the National workshop on “Instrumental Methods for Chemical Analysis”

In an effort to popularize the benefits of scientific working knowledge- Research & Innovations and its practical appropriation focussed on Chemical Sciences and Analytical techniques; A National Workshop on Instrumental Methods for Chemical Analysis, will be organized during February 26th to 28th, 2024. Furthermore, in line with the National Education Policy of India, 2020, the Workshop endeavours to promote skill based learning. It will provide a knowledge sharing platform for learning and gaining an insight into the current scientific and technological advancements in Chemical and allied sciences. Our University is housing high end sophisticated research equipment's such as PXRD, Nuclear Magnetic Resonance (NMR) (Solid and Liquid state), SEM, TEM, AFM, GC-MS, LC-MS, UV, FT-IR, Rheometer, ECWS, GC, HPLC etc. The motive of this Hands-on- Training Workshop is to extend such training and facilities to young researchers/ faculties and M.Sc. students.

On 28th February, 2024, the department will be celebrating National Science Day -2024 on the theme “Science for a Sustainable Future”.

Program Highlights

Basic theories, principles and functioning/working of various sophisticated instruments.

Hands-on-training dealing Theoretical &/or Practical aspects, on advanced techniques and various characterization techniques for chemical analysis:

- * Gas Chromatography Mass Spectroscopy (GC-MS), Liquid Chromatography Mass Spectroscopy (LC-MS)
- * Nuclear Magnetic Resonance (NMR), both Solid state and Liquid state
- * Electron Microscopy: SEM, TEM, AFM
- * Rheometer, Electrochemical Work Station
- * GC, HPLC
- * P-XRD
- * UV-Vis, FT-IR
- * Spectro-Fluorometer etc.

Who can participate

P.G., Ph.D. and Postdoctoral fellows/faculties from science background (subject to shortlisting).

Important

Maximum number of participants is limited to Thirty.

Last date Application and Registration: 20 February, 2024

There will be No Registration Fee.

The selected participants will be provided the working Lunch and Tea, only; on workshop days. Accommodation will be provided on payment basis, in university guest house or nearby hotels. No TA/DA will be provided to the participants.

Link

<https://forms.gle/XHWATRwgHvmFNPVs6>

Contact

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How to Reach Sagar

Sagar (Saugor) is a Smart City in the state of Madhya Pradesh in Central India and situated on a spur of the Vindhya Range, 1,758 feet (536 m) above sea-level. The city is well connected by Train and Road.

By Road: Sagar (Saugor: SGO) is a focal point of two national highways; about 169 km from State capital Bhopal (NH-146); about 208 km from Jhansi (NH-44). Bina to Sagar is about 74 km by road. 200 km from Khajuraho and 180 km from Jabalpur (via Damoh).

By Rail: The nearest Railway Station is Saugor (Station Code: SGO). Sagar is situated between the Bina-Katni section on the rail map, 75 km from Bina junction and 188 km from Katni junction, and 208 km from Jhansi (VGLB). Bina -Malkhedi is Rail station (4 Km from Bina Junction) between Bina-Saugor rail. Regular trains are available for Delhi, Mumbai, and Kolkata. The nearest airports with regular domestic flights are Bhopal (175 Km), Jabalpur (214km) and Khajuraho (201km). It takes 3-5 hours by road to these airports.

<https://goo.gl/maps/tZvmgs91PsU3ZzDo9>

Weather in Sagar: The weather in Sagar in February is pleasantly cold with a gentle breeze, with average highs of 28°C and lows of 16°C.

