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Prof. Uday Maitra, IISC Bangalore  
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Prof. Sunil K. Sharma, University of Delhi

## Keynote Speaker/Invited Speakers (Tentative)

Prof. A. K. Tyagi, BARC Mumbai  
Prof. Ram Laxhan Singh, Nilamber-Pitamber University, Palamu, JH  
Prof. A. Patra, INST Mohali  
Prof. M. K. Ghorai, IIT Kanpur  
Prof. Mayasankar Singh, BHU  
Prof. S. R. Gadre, IIT Goa  
Prof. Prasenjit Mal, NISER Bhubaneswar  
Prof. A. Bisai, IISER Kolkata  
Prof. S.S.V. Ramasastri, IISER Mohali  
Prof. Sanjit Konar, IISER Bhopal  
Prof. S. K. Awasthi, Delhi University  
Prof. D. S. Pandey, BHU  
Prof. D. Chaturvedi, MGCU, Motihari, Bihar  
Prof. Pranesh Sengupta, BARC Mumbai  
Prof. Biplab Kumar Kuila, BHU  
Prof. Arvind Saxena, DMSRDE Kanpur/General President ISCA-2023-24  
Dr. Moutusi Manna, CSIR, CSMCRI, Bhavnagar  
Prof. Ramesh Gardas, IIT Madras  
Prof. Robin K. Dutta (Tezpur University, Assam)  
Prof. Tanmay Kumar Ghorai, IGNTU Amarkantak  
Prof. A. S. Aswar, S. G. B. University, Amaravati  
Dr. Nitin Labhsetwar, NEERI, Nagpur  
Dr. Subhash Chandra Ghosh, CSIR, CSMCRI, Bhavnagar  
Dr. Sandeep Nigam, BARC, Mumbai  
Dr. Rampal Pandey, NIT Uttarakhand  
Dr. Manasi Ghosh, MMV, BHU  
Dr. Insaf Ahmed Qureshi, UoH, Hyderabad  
Prof. P. Raghavaiah, CUK, Karnataka  
Dr. Anupam Bandyopadhyay (IIT Ropar)  
Dr. Mrityunjay Tiwari, SAGE University, Bhopal

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## - Contact Persons -

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## National Seminar

On

# Recent Advances in Chemical Sciences (RACS - 2023)

**March 16-17, 2023**



## Important Dates

**Submission of Abstract** March 10, 2023  
**Acceptance of Abstract** March 11, 2023  
**Last Date of Registration** March 13, 2023  
**Dates of Seminar** March 16-17, 2023

Link for updates

<https://sites.google.com/view/ns-racs-2023-chemistry-dhsgsu/Chemistry>

Organized by

**Department of Chemistry**

**Dr. Harisingh Gour Vishwavidyalaya, Sagar (MP)**  
(A Central University)



## About the University

The founder and mentor Sir Doctor Harisingh Gour desired to establish an educational institution to provide an opportunity for higher learning to cater to the rural and deprived population of Central India. Inspired by Cambridge and Oxford Universities Doctor Harisingh Gour established the University of Saugar 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 35 independent teaching departments in the University, some of them are recognized Centers of the UGC and DST under the DRS, PURSE and FIST programmes. There are four hostels for boys and four for girls. Residential facilities are available for teachers and officials of the University. The University has well qualified and experienced faculties ([www.dhsgsu.irins.org](http://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 appointed by UGC has awarded 'A' Grade re-accreditation to this University. This University is declared as a Central University w.e.f. 15<sup>th</sup> Jan 2009.



## About the Department

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 75 years of successful journey by 2021. 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, Electrochemical Sensors and Supercapacitors, Organometallics, Electrochemistry, Material Science, Lipid Chemistry, Environmental Chemistry, Chemical Kinetics, Heterocyclic Chemistry, Natural Products, Coordination Chemistry, Bioinorganic Chemistry, Synthetic & Structural Inorganic and Organic Chemistry, Analytical Chemistry, Theoretical and

Computational Chemistry, etc. More than thousand papers have been published in different journals of National and International repute from the Department. With the aim of academic technological interaction, syllabi of the PG and PhD courses have been modified. Apart from core papers, there are several elective papers (based on UGC scheme) from each branch of Chemistry which the students can choose. 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 has Rheometer, Powder Xray Diffractometer, GCTOF-MS, HPLCQTOF-MS, BET surface analyzer, UV-Visible spectrophotometer, FT-IR spectrometer, Electrochemical Work Station etc. The Department is running various major research projects sanctioned by different funding agencies such as DST (Nanoscience), DST (SERB), MPCOST, and UGC. The faculty members have made remarkable contribution in teaching and establishing high quality research facility. Several faculty members enjoyed prestigious international fellowships such as Commonwealth Academic Staff Award Fellowship (UK), Alexander von Humboldt (AvH) Fellowship (Germany) and so on.

## About the National Seminar

**National Seminar on Recent Advances in Chemical Sciences (RACS-2023)** will be organized on 16-03-2023 to 17-03-2023. This seminar will serve as a common platform for the participation of experts, dynamic researchers from Academia, Research organizations and Industry. It will provide a knowledge sharing platform for gaining an insight into the current scientific and technological advancements in the field of chemical and allied sciences. Pioneer scientists and great visionaries are being invited to deliver keynote lecture, invited and special lectures on various facets of chemical sciences.

Not only the high-level scientific interaction in different chemistry aspects related to contemporary topics like energy, environment, sustainable development etc., but also this seminar will provide them a useful platform directly to showcase their thoughts and works to their peers, experts, scientists, academicians coming from all over the country. The seminar will also provide a platform to make a strong bridge between academia, research organizations and industry. The seminar will highlight the following thrust areas of Chemical Sciences:

Organic Synthesis, Asymmetric synthesis, Catalysis, Organometallic Chemistry, Bio-Organic chemistry, Bio-Inorganic Chemistry, Material Chemistry, Nanochemistry and hybrid nanomaterials, Analytical Chemistry, Environmental Chemistry, Green Chemistry, Pesticides, Food chemistry, Natural product chemistry, Medicinal and Pharmaceutical chemistry, Drug discovery and design, Supramolecular Chemistry, Spectroscopy, Renewable energy sources, Nanomedicines, Theoretical and computational chemistry.

## Who Can Participate

Students at U. G., P. G., and Researchers/students (like Post graduate and PhD levels, Postdoctoral researchers) participating from Universities, Institutes, Colleges of both Madhya Pradesh and country can present their work as poster and oral presentations. Faculties at various levels are greatly welcome to join and enhance the level of the program. Industry members are also encouraged to participate with a vision to move further in establishing a strong bridge between academia, research organizations, and industry.

## Call for Abstracts

Abstracts are invited for poster/oral presentation. Abstracts should be submitted in MS word with maximum 250 words (font: Times New Roman, font size 12 points with 1.5 line spacing). The abstract should indicate clearly the name of the presenting author. The name of the 'Presenting' author should be underlined. The Corresponding author's affiliation, contact phone, fax number and e-mail ID should be properly mentioned. References should be cited in parentheses in the text. References should be typed in Times New Roman, font size 11, single space and in ACS format. The entire abstract should include text, figures, equations, structures, schemes, and references. Abstract must be sent to the following email address. E-mail: [nsracs.chem@gmail.com](mailto:nsracs.chem@gmail.com)

## Registration

PG/UG Students	:	Rs. 700/-
Research Scholar/Ph.D. Students	:	Rs. 1200/-
Faculty, Delegates from Academic and Research Institutions	:	Rs. 2000/-
Delegates from Industry	:	Rs. 5000/-
Accompanying person	:	Rs. 2000/-
Late registration	:	Rs. 1000/- extra

\*The registration fee includes registration kits, foods during the seminar. Accommodation will be provided on payment basis, in university guest house or nearby hotels.

## Link for Online Registration

<https://forms.gle/Vn4qcNow9BfSz7vRA>

## Bank Details for Registration Fee\*

Account Name: **CONVENER NATIONAL SEMINAR CHEMISTRY DHSGSU**

Account Number: **41659307405**

Bank Name : **STATE BANK OF INDIA**

Branch : **UTD Sagar**

IFSC Code : **SBIN0001143**

\*The registration fee include registration kits, foods during the seminar.

SCAN & PAY



## Accommodation

A limited numbers of accommodation is available in the university Guest House/hostels. It will be decided on first come first serve basis. Suitable accommodation will be provided on payment basis on request, in university guest house or nearby hotels. Participant may also arrange their own arrangement.

## How to reach Sagar

Sagar (formerly Saugar) is a Smart City in the state of Madhya Pradesh in Central India and situated on a spur of the Vindhya Range. The city is well connected by Train and Road. The nearest Railway Station is Saugar (Station Code SGO) and Bina. The nearest airport is Raja Bhoj International Airport Bhopal (178 KM), Jabalpur Airport Jabalpur (170 KM) and Khajuraho Airport Khajuraho (201 KM).

## Weather in Sagar

The weather in Sagar in March is pleasantly warm with a gentle breeze, with average highs of 35°C and lows of 16°C.