



SGT
UNIVERSITY

Shree Guru Gobind Singh Tricentenary University



Our Collaborators



पृथ्वी विज्ञान मंत्रालय
Ministry of Earth Sciences



INTERNATIONAL CONFERENCE

ON

RECENT ADVANCES IN CHEMICAL AND ENVIRONMENTAL SCIENCES (RACES-2024)

THEME: GREEN APPROACHES FOR SUSTAINABLE DEVELOPMENT



23rd & 24th Feb, 2024

ORGANIZED BY

**DEPARTMENT OF CHEMISTRY AND DEPARTMENT OF ENVIRONMENTAL SCIENCE,
FACULTY OF SCIENCE, SGT UNIVERSITY, GURUGRAM,**

Web:- <https://sgtuniversity.ac.in/>

About RACES - 2024

The International Conference on “Recent Advances in Chemical and Environmental Sciences (RACES-2024)” will be the platform to bring together academicians, scientists, researchers, chemists, engineers, environmentalists, and industrialists to exchange and share their research ideas on various aspects of Chemical and Environmental Sciences. The theme of RACES-2024 aims to explore the recent trends on “Green Approaches for Sustainable Development”. Environmental crises and socio-economic problems emerged during the Industrial Revolution, highlighting the need for sustainable growth. In order to achieve a sustainable future, the chemical industry and the chemistry that underpins must undergo significant transformation. The industry has played a significant role in advancing the sustainable development goals for standard living of people and also significantly contributed to the problems associated with climate change, toxic pollution, and plastic waste that threaten both human and planetary health. Although the industry has played an important role in sustainable development, there is still a need to focus on multidisciplinary approaches and related technologies to achieve sustainability.

The SGT University is committed to promote sustainable development and working towards the achievement of its agenda-2030 goals. The RACES-2024 emphasizes the role of chemical and environmental sciences to achieve sustainable development goals. Faculty of Science, SGT University is taking its stake to organize this event which will bridge the gap between different fraternities and will provide a glimpse of what a sustainable green future might look like. Moreover, opportunities and challenges associated with different methods will also be addressed. The conference's main objective is to provide the opportunity for the participants to get a deeper understanding of the concepts and methods that underlie sustainable methodologies and technologies.

About the SGT University

Shree Guru Gobind Singh Tricentenary (SGT) University, Gurugram, is promoted by Dashmesh Educational Charitable Trust and was established under the Haryana Private Universities (Amendment) Act No. 8, 2013. The university was born out of the culmination of the movement that started with the founding of SGT Dental College way back in 2002 to propagate the holy message of the highly deified Shree Guru Gobind Singh Ji, one of the greatest philosophers and social reformers, who said that the “Spread of Learning is the Best Service to Mankind”. Presently, SGT University has 18 faculties that offer around 160+ courses featuring a wide selection of undergraduate, postgraduate and PhD Programs. The university is spread across an area of 70 acres that is enveloped by a lush green environment and provides an ideal ambience for pursuing professional courses and ensuring the overall development of students. It is the best private university, situated at Chandu-Bhudera on the periphery of Gurugram, is less than five kilometres from the Delhi border at Daurala and has easy and convenient access from I.G International Airport.

Faculty of Science

Faculty of Science formerly known as the Faculty of Physical Sciences was established in 2014, providing the best quality education and training in the field of science. Since its foundation, the faculty has achieved a significant milestone in providing academic and research excellence. In the academic year 2014-2015, the faculty began its academic activities with the undergraduate program. In the subsequent year, Postgraduate and PhD programs were started. The Faculty of Science offers foundation courses in Physics, Chemistry, Mathematics, Forensic Science, and Environmental Science. Our outcome-based academic model, which includes theoretical assignments, research projects, seminars, resource learning, practical laboratory work, and the idealistic approach to teaching foundations, strengthens the students' capacities.

Department of Chemistry

The Department has a dedicated team of faculty who has done Ph.D. from premier institutes of the country as well as from abroad. To keep pace with the advancement in principal areas of Chemistry, our faculty members have been updating their knowledge by visiting conferences at different places. We praise science for its collaborative and interdisciplinary nature in teaching and research. The faculty members are actively engaged in pursuing research in frontier areas of chemistry and its interface with allied disciplines in addition to their teaching assignments. The department of chemistry has programs at UG, PG and PhD levels. The department offers theory and laboratory core courses covering basic concepts in various sub-disciplines of chemistry (Organic, Inorganic, Physical and Analytical Chemistry).

Department of Environmental Sciences

The Department of Environmental Science deals with relevant issues pertaining to the changing environment at the global, regional and local levels. The Department offers Post Graduate and PhD Programmes to produce trained professionals who are equipped to deal with the scientific, legal, socio-economic, technological, and policy-based concerns related to environment and resource management. To impart quality education the dedicated team of faculty are actively engaged in organizing training, face-to-face interactions, live case studies, field visits, conferences, seminars etc. The department thrives to organize regular fieldwork, co-curricular and extension activities to give scholars a holistic exposure to environmental and resource-based problems in students from diverse academic, cultural and professional backgrounds.

Conference theme & Sub-Themes

Main theme of the conference is Green Approaches for Sustainable Development, and the sub-themes are given below, but are not restricted to:

1. Organic & Inorganic Chemistry
2. Physical & Material Chemistry
3. Analytical and Industrial Chemistry
4. Computational Chemistry
5. Green & Sustainable Chemistry
6. Pharmaceutical Chemistry
7. Soil & Agricultural Science
8. Environmental Chemistry
9. Environmental Toxicology
10. Pollution & Climate Change
11. Green & Renewable Energy
12. Biodiversity and Conservation
13. Wastewater Treatment Technologies
14. Environmental Sustainability
15. Waste Management & Disposal Techniques
16. Environmental Remote Sensing & Applications
17. Microbial and Environmental Biotechnology
18. Forensic Aspects in Science
19. Advances in Nanoscience
20. Diagnostics and Medical Science

Advisory Committee

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Dr. Himani Sharma, Lecturer, School of Materials Science and Engineering, Georgia Institute of Technology, Atlanta, GA.
Dr. Maninder Singh, Chief Material Scientist, Japan Advanced Institute of Science and Technology

National

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Dr. Rakesh Kumar, Director, National Environmental Engineering Research Institute (NEERI), Nagpur.

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Dr. Kapil Arya, Senior Scientist, CSIR, New Delhi.
Dr. J R. Bhatt, Scientist – G, Advisor, Ministry of Environment, Forest and Climate Change, India.

Conference Organizing Committee

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Dr. Archana Chaudhary, Associate Professor, Department of Environmental Science.

Organizing Secretaries

Dr. Divya Sareen, Assistant Professor, Department of Chemistry.

Dr. Navjot Kaur, Assistant Professor, Department of Chemistry.

Dr. Simranjeet Singh, Assistant Professor, Department of Environmental Science.

Submission Guidelines:

The faculty members, research scholars, students, professionals from industry and NGOs are invited to submit original research work for presentation in RACES-2024 on the themes mentioned. It is the responsibility of the authors that the work presented/submitted is original and has not been published in part/full in some other conference/journal.

Important Dates:

Call for Abstract: 20.01.2024

Abstract Deadline: 15.02.2024

Acceptance Notification: 17.02.2024

Registration Deadline (Early Bird): 20.02.2024

Contact Details:

Dr. Tribhuvan Pathak: +91 9958523638

Dr. Vikram Mor: +91 9996822404

Dr. Divya Sareen: +91 9872211455

Email: conference.fosc@sgtuniversity.org

Registration Details:

- **Abstract submission:** The participants may submit the abstract (s) (maximum 350 words). The abstract may be submitted by sending an email at conference.fosc@sgtuniversity.org.
- The format for the submission of abstract is given below.
- Typed in MS WORD, Font-Times New Roman, 12, 1.5 spacing, A4 size
- Name of presenting author should be underlined.
- The title of the abstract should be bold and font size 12
- Author affiliation in font size 10

Registration of a participant is compulsory for presenting a paper and inclusion of abstract/full-length paper in proceedings.



Registration Fees

Category	On or Before 20th Feb 2024		After 20th Feb 2024	
	Indian	Foreign	Indian	Foreign
UG/PG Students	Rs 1000/-	75 USD	Rs 1500/-	100 USD
Research Scholars	Rs 1500/-	100 USD	Rs 2000/-	125 USD
Academicians	Rs 2000/-	125 USD	Rs 2500/-	150 USD
Industry Professionals	Rs 3000/-	150 USD	Rs 3500/-	175 USD

REGISTRATION LINK: <https://forms.gle/5NJDhVWXuJydcQL56>

Payment Mode:

Mode of Payment and Bank Details for Conference Registration Fee

Conference participation Fee can be paid by NEFT/IMPS/Net Banking

Beneficiary Name: SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

Bank Name: PUNJAB NATIONAL BANK, GARI HARSARU, GURUGRAM

A/C No.: 4868000100054396

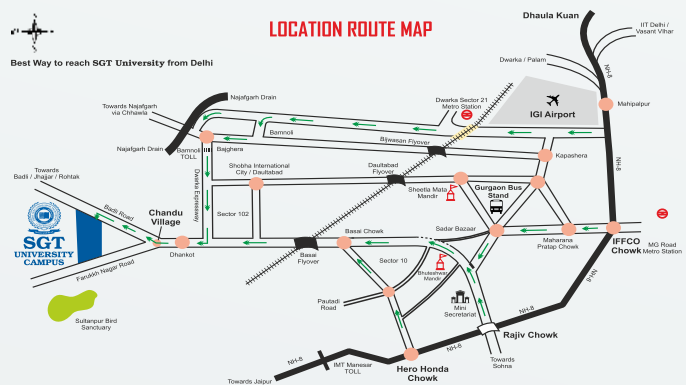
IFSC Code: PUNB0486800

Sites to visit nearby:

The amazing fact is the tourist attractions surrounded to SGT University. In close proximity, there are many places to visit like the Sultanpur Bird Sanctuary, Basai Wetlands, Qutab Minar, Eco Tourist Park, Chhawla Village, Leisure Valley Park and many other which is a plus point for the participants and also the guests of the conference.

Accommodation & travel:

Institute guest house/ hostel may be provided for accommodation depending on the availability and with requisite charges. For out station delegates stay arrangement will be made on prior information and charges based.



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