

International Conference

on

“ADVANCES IN CHEMICAL AND APPLIED SCIENCES FOR SUSTAINABLE DEVELOPMENT” (ACASSD - 2024)

March 29 - 30, 2024



Organized by

DEPARTMENT OF CHEMISTRY

School of Sciences

JECRC University, Jaipur

Rajasthan, India



JECRC
UNIVERSITY

Inaugurated By
Shri Ashok Gehlot
Chief Minister of Rajasthan
4th September 2012
in the presence of
Dr. Malcolm Portera
Former Chancellor, University of Alabama, USA
Shri Vivek Bansal
Secretary, All India Congress Committee
Shri OP Agrawal
Chairman, JECRC UNIVERSITY

About the **University**

The JECRC University (JU) was established in 2012 recognized by UGC. The 32-acre JU campus is located in Jaipur, Rajasthan, India. The JU offers 155+ Programs at UG, PG and PhD level. Around 15,000+ students are currently pursuing their degrees and more than 22,000 alumni are spread over the globe. The JECRC foundation has excellent track record of placements by getting 2000+ offers every year. The multifaceted research at the JU resulted in 64+ patents. The University is recognized by NBA, AICTE and NAAC and is funded by Govt. agencies providing grants of more than Rs. 3.1 Cr. to support Startups PAN India. **JECRC Incubation Centre (JIC)** has incubated 60+ startups across various sectors, generated 200+ Employments till now, and raised a total amount of 12+ Cr from External Venture Funds. JIC is supported with 10+Cr Funding received from MeitY Startup Hub as one of the Group 2 centres in the TIDE 2.0 scheme along with one of the esteemed centers as the Startup India SEED Fund Scheme by the Ministry of Trade & Commerce. **JU Makerspace**, a student driven cell organizes Maker's carnival and National level Smart India Hackathon (SIH) every year. A M-power cell for mental health & wellness was also established recently in the university campus in association with Aditya Birla Education trust. JU is also contributing in social awareness & welfare through NSS, NCC, Abhyudaya - a student & faculty driven social hand including other clubs.

About **Department of Chemistry**

The Department of Chemistry has been running since the inception of the university and we offer PG and Ph.D. programmes since then. The department has contributed in establishing **"Science Technology and Innovation Hub in Jaipur District, Rajasthan"** project worth INR 2.66 Crores funded by the Department of Science and Technology, Government of India (GoI). Department has a group of 15 well experienced and doctorate faculty members, including world's top 2% Green Chemistry scientist ranked by Stanford University, **fellow of RSC**, council member of Indian Chemical Society, members of American Chemical Society, members of Royal Chemical Society, Indian Chemical Society and Indian Society for Chemists and Biologists, Vigyan Bharti etc. The department has hosted **52nd Annual Convention of Chemists (ACC-2015)** and International conference in the year 2015. The department has also been conducting several webinars, seminars, workshops, training programs regularly. Research laboratories of the department are equipped with synthesis compatible facilities, such as, fume hood, Rotary evaporator, vacuum pump, chilled water circulator, ultrasonicator, high temperature Muffle furnace, microcentrifuge and orbital shaker along with analytical tools, such as, Gas chromatography/mass spectrometry (GC/MS), UV-Vis spectrophotometer, flame photometer, pH meter and conductivity meter.

About the **Conference**

Over the past few decades, research and developments in chemical as well as applied sciences have been directed towards finding cleaner solutions and sustainable techniques. The seventeen sustainable development goals (SDGs) are defined by the United Nations for preserving the planet Earth and maintaining its harmony. Few of the emerging branches of chemical sciences, viz green chemistry and sustainable chemistry, focus on SDG12, "Responsible consumption and production.". Developments in the fields of nanoscience and material science have opened new avenues to achieve SDGs 6, 7, 14, and 15. This conference is aimed at discussing recent advancements in chemical and applied sciences and their interfaces for the development of novel materials & chemical processes at the laboratory and industrial scale for applications in health, energy, environmental remediation, and the circular economy. This would provide a common platform for multidisciplinary researchers and industrialists to come together for sustainable solutions by enhancing networking with eminent scientists from academia, industry, research organizations and government agencies.

Thrust Areas

- Green Chemistry
- Nanomaterials & Nano Chemistry
- Computational Chemistry
- Supramolecular Chemistry
- Atmospheric Chemistry
- Biodegradable Plastics & Polymer Composites
- Organic Synthesis and catalysis
- Chemical Biology
- Photocatalysis
- Bio-catalysis & Biomaterials
- Biosensors
- Biofuels & Biorefining
- Toxicology & Narcotics
- Natural Products and phytochemicals
- Groundwater and Wastewater Remediation
- Water Quality and research
- Air quality monitoring
- Agrochemicals & agro-contaminants
- Bioremediation
- Environmental Education and Awareness
- Hydrogen Energy
- Efficient Energy Materials
- Nanoelectronics and Battery Research
- Sensors and Electrochemical Sensing
- Photovoltaics and Supercapacitors
- Electrocatalysis
- Nano-emulsions, coatings & adhesives
- Alternative Energy Resources
- Sustainable Energy Policies
- Drug Designing & Pharmacology
- Drug Development and Formulations
- Process Development
- Sustainable Production and Management in Industries
- Advances towards net zero

Conference Advisory Committee

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Dr. Meenal Mehra (Hindustan Unilever, Mumbai)

Speakers

Padma Shri Prof. G. D. Yadav (President, Indian Chemical Society; Former Vice-Chancellor, ICT Mumbai)

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Industry Experts

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Dr. Krishna Prasad Gannavarapu (Research Scientist, Morrow Batteries, Norway)

Dr. Ganapathi Emandi (APID-Analytical Development Scientist, IPSEN, Dublin, Ireland)

and few more...

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Call for Abstract/Full Paper

ACASSD-2024 invites researchers, scholars, professionals and authors to submit their abstract and full length paper in the thrust areas of the conference.

Conference Proceedings

All accepted abstracts will be published in ACASSD-2024 abstracts volume with the ISBN number.

Journal Publications

Submitted manuscripts will be peer reviewed and accepted papers will be published in Scopus indexed journals. Article publication charges will be applicable as per the respective journals policy. For more information visit the website.

Registration

Participation in ACASSD-2024 is through registration only.

Steps for conference registration

- The participants presenting oral/poster need to submit the abstract (abstract template given on the conference website) on the link provided here:
<https://forms.gle/Pi7iXHwtWqs8Rn3L7>
- After acceptance of the abstract the participants will receive an acknowledgement letter containing an unique Abstract ID which will be required during the registration.
- Make the payment of appropriate registration fee through the Razorpay link provided here: **<https://rzp.io/l/S4V7CrY>**
- Generate the payment receipt and save it in PDF/JPG to upload during registration.
- Fill the Registration form here:
<https://forms.gle/kXm5g5GjGXvtNGrAA>

Accommodation: Apartment style accommodation (3/4 BHK) is available in JU Campus and will be chargeable. Visit the website for detailed information.

Sponsorship opportunities :

- Logo of sponsor will be displayed at the backdrop of the Inaugural and Valedictory Sessions of the Conference and also on the Souvenir.
- The networking opportunities will be given in specially designed sessions focussing on Industry-Academia collaboration.
- The space of 15x10 / 10x10 ft. will be provided for executing your product or process.

AWARDS

ACASSD-2024 declares recognition in the categories listed below:

- ACASSD Lifetime Achievement Award
- ACASSD Emerging Researcher Award
- ACASSD Outstanding Researcher Award
- ACASSD Emerging Women Researcher Award
- ACASSD Best Oral/Poster* Presentation Award

* Best Poster awards are sponsored by ACS.

Registration Fee Payment

Registration fee should be paid either in cash or by Electronic transfer.

Scan for payments



Sponsorship Category	Amount (INR)
Platinum	1,00,000
Gold	75,000
Silver	50,000

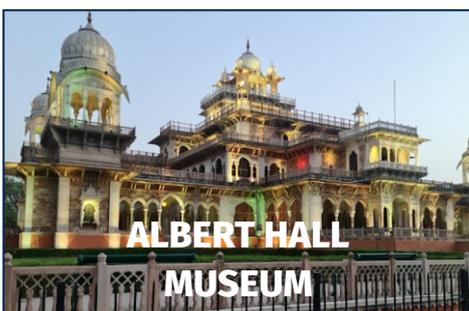
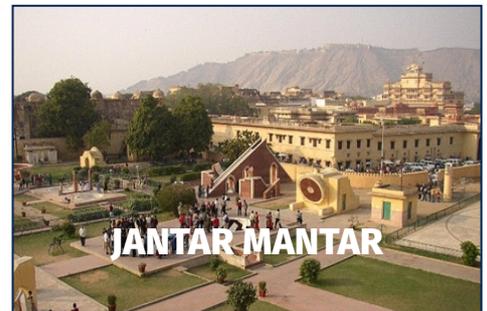
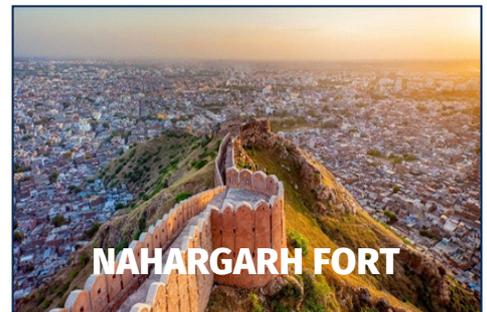
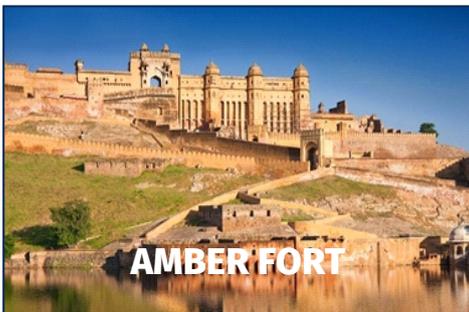
Registration Fee*

Category	Registration Fee (on or before Feb 29, 2024)	Registration Fee (After Feb 29, 2024)	Spot Registration
Students UG/PG	INR 800	INR 1000	INR 1200
Research Scholar & Post-Docs	INR 1500	INR 1800	INR 2000
Academic Delegates	INR 2500	INR 3000	INR 3500
Industry Delegates	INR 5000	INR 5500	INR 6000
Accompanying Person	INR 1500	INR 1800	INR 2000
Foreign Students	USD 150	USD 175	USD 200
Foreign Delegates	USD 250	USD 275	USD 300

***Registration Fee is Non-refundable.**

Nearby Tourist Places

Jaipur is a magical land of forts and palaces also called the “Pink City” for its trademark building color. The pink city has become one of the second cities in India to become a UNESCO World Heritage site. The city is the best example of ancient town planning in which all the streets are cross-connected with network of “Choupar”. Apart from the monuments, there are various famous temples, gardens that are worth visiting.



How to reach JECRC University

JECRC University is situated almost 9.5 km from Jaipur International Airport and 18 km from the Jaipur Railway Junction. Other Railway stations near to JECRC University are Gandhinagar Jaipur, Jagatpura Railway station that are almost 13 km and almost 8 km away respectively. Jaipur Bus Stand (Sindhi Camp) is almost 18 km and nearest Bus stop (Narayan Singh Circle) is almost 15 km away from JECRC University, Jaipur.

Locate at map



Important Dates

Last date for abstract/full paper submission: **Feb 15, 2024**

Last date for registration: **Feb 29, 2024**

For more information visit:



JECRC University

📍 Plot No. IS-2036 to 2039, Ramchandrapura Industrial Area,
Vidhani, Jaipur - 303905, Rajasthan, India

🌐 <https://conference.jecrcuniversity.edu.in/ACASSD24/>

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