



2nd INTERNATIONAL CONFERENCE

ON

ADVANCED MATERIALS FOR GREEN CHEMISTRY AND SUSTAINABLE ENVIRONMENT

Jointly Organized by

**K. R. Mangalam University, Gurugram,
and
Shivaji College, University of Delhi, Delhi
In collaboration with
Vijnana Bharti (VIBHA), Haryana
and**

International Association of Advanced Materials, Sweden

Sponsored by

Anusandhan National Research Foundation, DST, GOI

and

Defence Research and Development Organization (DRDO), GOI

20-21 March 2025



Phone No.: +91-9999825418; +91-9718029841; +91-9810668804

Website: <https://amgse.krmangalam.edu.in/amgse2025/>

Email: amgse2025@krmangalam.edu.in

Campus: K. R. Mangalam University, Sohna Road, Gurugram -122103

krmuniv | krmuniv | K. R. Mangalam UNIVERSITY | krmu

About the Conference (AMGSE-2025)

The AMGSE - 2025 conference committee would like to welcome you for the **2nd International Conference on "Advanced Materials for Green Chemistry and Sustainable Environment" (AMGSE - 2025).**

The AMGSE-2025 will be jointly organized by K. R. Mangalam University, Gurugram and Shivaji College, University of Delhi, Delhi in collaboration with International Association of Advanced Materials (IAAM), Sweden and Vijnana Bharati (VIBHA) on March 20-21, 2025, at K. R. Mangalam University, Gurugram campus.

Advanced Materials for Green Chemistry and Sustainable Environment involve the development and use of eco-friendly nanomaterials that align with the twelve principles of green chemistry. These materials are designed to minimize environmental impact by reducing hazardous emissions and are applied in areas such as energy storage, water purification, and sustainable packaging. Their unique properties make them vital for reducing ecological footprints and enhancing resource efficiency, contributing to global sustainability efforts.



Theme of the Conference (but not limited to)

- Advanced Materials for Green Chemistry
- Sustainable Environmental Technologies
- Green Chemistry Approaches
- Applications of Advanced Materials in Sustainability
- Analytics for Sustainable Development through Optimization and Modelling
- Policy, Education, and Innovation for Sustainable Development
- Indian Knowledge System for achieving Environmental Sustainability
- Forensic toxicology and environmental forensic

About K. R. Mangalam University

K.R. Mangalam University, established in 2013 under the Haryana Private Universities Act, is a State Private University authorized to grant degrees under section 2f of the UGC Act, 1956. Located in a picturesque setting with a view of the Aravalli hills on a 26-acre campus, the university focuses on transforming young lives through innovative teaching methods, global collaborations, and superior infrastructure. Alongside academic endeavors, KRMU prioritizes co-curricular activities, including festivals, social responsibility initiatives, technology training, and research. With 11 schools offering over 60 programs, the university is recognized for its commitment to quality, equality, inclusiveness, sustainability, and professional ethics, earning a reputation for academic excellence and innovation.

About Shivaji College

Shivaji College, located in West Delhi, is a distinguished institution under University of Delhi, accredited with an 'A' grade by NAAC and ranked 49th in the NIRF 2024. Established in 1961 by Dr. Panjabrao Deshmukh, it offers 20 undergraduate courses across Science, Commerce, and Humanities, a self-financed bachelor's in business economics, three postgraduate programs, certificate courses in German and French languages and various add-on and value-added courses.. Known for its research initiatives, gender empowerment through the Jijabai Achievers Award, and eco-friendly campus practices like solar energy and waste management, Shivaji College stands as a beacon of academic excellence, sustainability, and holistic education.

About International Association of Advanced Materials (IAAM)

IAAM is a well-known non-profit international scientific research organization that operates in the realm of advanced materials. The organization actively fosters a highly interactive community of advanced material researchers and seeks to promote partnerships, collaboration, and joint ventures to accelerate developments in the scientific world. Through global research and education forums, IAAM aims to stimulate progress in the fields of advanced materials science, engineering, and technology. As a scientific organization, IAAM is dedicated to advancing the world of materials science with the ultimate goal of achieving global excellence.

About Vijnana Bharti (VIBHA)

Vijnana Bharati, a science movement with swadeshi spirit has a greater role to play. Swadeshi Science Movement was started in Indian Institute of Science- (Bengaluru) by a few eminent scientists under the guidance of Prof. K I Vasu. This movement gradually gained momentum and emerged as an organization with national presence. In 1991(Oct 20-21) at the Nagpur meet, it was decided, to launch the Swadeshi Science Movement at all India Level and named it as Vijnana Bharati. Vijnana Bharati has units in 22 states across the country and contacts in 4 states. It is working in 11 different areas through autonomous institutions, independent organizations & also as project entities.

Important Dates:

- **Last date of abstract submission:** 28th February 2025
- **Notification of Acceptance/Rejection:** 4th March 2025
- **Early Bird Registration Starts:** 10th February 2025
- **Early bird registration Ends:** 27th February 2025
- **Last date of registration:** 10th March 2025
- **Last Date of Full-Length Paper submission:** 25th March 2025

Registration

All accepted abstracts require at least one author to get registered for the conference.

- The paper must be presented by the registered author only as oral/ poster presentation.
- Certificate will be provided to only registered participants/ presenter.
- The registration fee covers a conference kit, access to domain-specific sessions, a certificate for paper presentation/attendee, and
- There will be a best oral/ poster presentation award for each session.
- The paper will be accepted after peer review process for publication in Scopus indexed journal or proceeding.

Call for papers

Papers are invited based on the focus areas of the conference. Author(s) can submit abstract only or full paper(s). Submission of full paper(s) is encouraged. The abstract must be submitted through registration form or email to amgse2025@krmangalam.edu.in. Conference abstract book with international ISBN no. will be released during the conference. All papers will be peer-reviewed and selected contributory papers will be published in Scopus Indexed journals or proceedings.

To register click on the link or scan the QR code
<https://forms.gle/zJaNYLtG9ZAHj1Qp9>



Best Paper Awards:

Best paper award will be given both for Oral and Poster presentations separately.

Categories	National		International	
	Early Bird	Regular Registration	Early Bird	Regular Registration
Faculty/Scientist/ Postdoc	INR 3,000/-	INR 3,500/-	USD 35	USD 40
Industry Person	INR 4,000/-	INR 4,500/-	USD 45	USD 50
Students (PG/ Research Scholars)	INR 1,500/-	INR 2,000/-	USD 15	USD 20
UG Students	INR 500/-	INR 700/-	USD 06	USD 8

Registration fees can be paid through electronic fund transfer in INR (for all Indian Nationals) and in USD (for all Non-Indian nationals and NRIs) only.

Note*: Special Gala dinner with cultural event on the evening of 20th March 2025 (Fees Rs.600/-)

Payment Details:

Beneficiary name: K R Mangalam University
 Account no.: 245101001065
 Bank Name: ICICI Bank Ltd.
 IFSC Code: ICIC0002451
 Branch: Dronacharya Branch, Gurgaon

Scan & pay



Publication Partners



Invited Speakers

- Prof. Sabu Thomas, Vice Chancellor, Mahatma Gandhi University, Kottayam, Kerala
- Prof. Ramesh Chandra, Vice Chancellor, Maharaja Surajmal Brij University, Bharatpur
- Prof. Rajender S. Varma, US Environmental Protection Agency, USA
- Dr. Ashutosh Tiwari, Director, International Association of Advanced Materials, Sweden
- Prof. Ajay Kumar Mishra, University of the Western Cape, South Africa
- Prof. Ponnadurai Ramasami, Faculty of Science, University of Mauritius
- Dr. Himanshu, Scientist F, INMAS, DRDO, New Delhi
- Prof. Yogendra Kumar Mishra, University of southern Denmark
- Prof. Saber Mohamed Abd-Allah, Beni-Suef University, Egypt
- Prof. Rita Kakkar, Ex-Professor Chemistry, University of Delhi, New Delhi

Keynote Speakers

- Dr. Avtar Singh, Research Scientist, Research and Development, Molekule Inc., USA
- Dr. Ajeet Kaushik, Florida Polytechnic University, USA
- Dr. Sapana Jadoun, Universidad de Tarapacá, Africa, Chile
- Dr. Ahmed Kareem Hussein Alatafi, College of Science, Diyala University, Iraq
- Prof. Harish Kumar, Central University of Haryana, Mahendergarh, India
- Dr. Kassian T. T. Ameesho, National Sun Yat-Sen University, Kaohsiung, Taiwan
- Prof. Akhilesh Verma, Department of Chemistry, University of Delhi, India
- Dr. Sandeep Kumar Lal, Scientist, ICAR-IARI, New Delhi

Technical Sessions

- Plenary talks
- Keynote address
- Oral presentations
- Invited talks
- Poster sessions

Invited Guests



Chief Guest
 Prof. K.K. Aggarwal
 South Asian University, Delhi



Guest of Honour
 Prof. Ranjana Aggarwal
 Director, (CSIR-NIScPR), Delhi

Steering Committee:



Chief Patron
 Prof. Dinesh Singh
 Chancellor
 K.R. Mangalam University



Patron
 Prof. Raghuvir Singh
 Vice- Chancellor
 K.R. Mangalam University



Patron
 Prof. Virender Bhardwaj
 Principal, Shivaji Collage,
 University of Delhi



Dr. Mehraj Uddin Mir
 Motilal Nehru, Chair,
 K.R. Mangalam
 University, Gurugram



Organizing Head
 Prof. (Dr.) Meena Bhandari
 K.R. Mangalam University



Organizing Secretary & Convener
 Dr. Chandra Mohan
 K.R. Mangalam University



Convener
 Dr. Priyanka Kumari
 Shivaji College, University of Delhi



Convener
 Dr. Neeraj Kumari
 K.R. Mangalam University



Co-Convener
 Dr. Richa Arora
 Shivaji College
 University of Delhi



Co-Convener
 Dr. Rishi Ranjan Kumar
 K.R. Mangalam University

Coordinators:

- Dr. Rajni Gautam, SBAS, K R Mangalam University, Gurugram
- Dr. Sujata Kumari, SBAS, K R Mangalam University, Gurugram
- Dr. Reeta Chaudhary, Shivaji College, New Delhi
- Dr. Kritika Singh, SBAS, K R Mangalam University, Gurugram

Organizing Committee:

- Dr. Anil K. Aggarwal , Professor, Shivaji College, Delhi
- Dr. Pawan Kumar, Professor, K R Mangalam University, Gurugram
- Dr. P. K. Sahu, Professor, Shivaji College, Delhi
- Dr. N. G. Giri, Professor, Shivaji College, Delhi
- Dr. Diwakar Padalia, Associate Professor, K R Mangalam University, Gurugram
- Dr. Yogendra Kumar Rajoria, Associate Professor, K R Mangalam University
- Dr. Ruby Jindal, Associate Professor,, K R Mangalam University, Gurugram
- Dr. Seema Lal, Assistant Professor, Shivaji College, Delhi
- Dr. Kriti, Assistant Professor, K R Mangalam University, Gurugram
- Dr. Deepesh Singh, Assistant Professor, Shivaji College, Delhi
- Dr. Prawar, Assistant Professor, K R Mangalam University, Gurugram
- Dr. Sunil Yadav, Assistant Professor, Shivaji College, Delhi
- Dr. Mehak Ahuja, Assistant Professor, K R Mangalam University, Gurugram
- Dr. Deepak Yadav, Assistant Professor, K R Mangalam University, Gurugram
- Ms. Tamanna, Assistant Professor, Shivaji College, Delhi
- Dr. Vicky Kapoor, Assistant Professor, K R Mangalam University, Gurugram

National Advisory Committee

- Prof. S. K. Mehta, VC, University of Ladakh
- Prof S. K. Singh, Vice-Chancellor Rajasthan Technical University, Kota, India
- Shri Arvind Kumar, Director CFEES, New Delhi
- Dr. Sudhir Chandna, Outstanding Scientist and Scientist H, Director INMAS
- Prof. Diwan S Rawat, Vice Chancellor, Kumaun University, Nainital
- Prof. Jyoti Rana, Registrar, Shri Vishwakarma Skill University, Haryana
- Prof. Rita Mehra, Mahrashi Dayanand Sarawati University, Ajmer
- Shri Praveen Ramdas, National Jt. Secretary, Vigyan Bharti
- Shri Shiv Kumar, National Org. Secretary, Vigyan Bharti
- Dr. Jawahar Lal, Prant President, Vigyan Bharti Haryana
- Dr. Anurag Gaur, Secretary, Vigyan Bharti Haryana
- Prof. K. R. Desai, Bhagwan Mahavir University, Surat
- Dr. B. P. Joshi, Scientist F, DST, New Delhi
- Prof. Balam Pani, Dean, University of Delhi, Delhi
- Prof. S.K. Awasthi, Head, Department of Chemistry, University of Delhi
- Prof. Man Singh, Central University, Gujrat
- Prof. Rajeev Gupta, University of Delhi, Delhi
- Sh Vinod Kaushik, Scientist F, INMAS
- Prof. H. P. Tiwari, Former Vice VC, Allahabad University
- Prof. R. D. Kaushik, GKU, Haridwar
- Prof. Nahar Singh, Principal Scientist, CSIR-NPL, Delhi
- Dr P. K. Rai, Scientist G, CFEES, DRDO, Delhi
- Prof. Pawan Kumar Maurya, CUH
- Prof. Surender Kaushik, CBLU, Bhiwani
- Prof. Rakesh Kumar Parashar, University of Delhi, Delhi
- Prof. Raj Kishor Sharma, Dean Research, University of Delhi, Delhi
- Dr. Pratima Solanki, Jawaharlal Nehru University, New Delhi
- Dr. Suman Singh, CSIR- CSIO, Chandigarh
- Dr. Lakhveer Singh Thakur, Dean Research Sardar Patel University, Mandi
- Dr. Surender Kumar, CSIR-AMPRI, Bhopal
- Dr. Ramanand Sagar, Kirori Mal College, University of Delhi
- Dr. Jai Prakash, Dy. Director General, NISE, Gurugram

International Advisory Committee

- Prof. Mustanser Hussain, New Jersey Institute of Technology, USA
- Prof. Moonis Ali Khan, King Saud University, Riyadh, Saudi Arabia
- Prof. Virender Sharma, Texas A & M University, Texas, USA
- Dr. Maguy Abi Jaoude Kahwaji, Khalifa University, UAE
- Dr. Shinichi Komaba, Tokyo University of Science, Japan
- Dr. J. R. Ansari, Scientist, Yonsei University, South Korea
- Dr. Munsaf Ali, Research Scientist, University of Albany, New York, USA
- Dr. Barnabe Mari, Polytechnic University of Valencia, Spain
- Dr. Karim Khan, Shenzhen University, Guangdong, China
- Dr. Mozhgan Afshari, Isalmic Azad University, Tehran, Iran
- Dr. Asha Anish Madhavan, Amity University, Dubai, UAE
- Dr. Vinay Jha, Tribhuvan University, Nepal
- Dr. Muhammad Bilal Tahir, Director Research, KFUIT, Pakistan

AMGSE-2024 Glimpses

The School of Applied Sciences at K.R. Mangalam University organized a two-day International Conference on Advanced Materials for Green Chemistry and Environmental Sustainability on **15-16 February 2024**, in collaboration with the International Association of Advanced Materials (IAAM), Sweden, and the Indian Science Congress Association (ISCA), Rohtak Chapter. The conference, attended by over 120 faculty members, research scholars, and students from across India, focused on innovative solutions for environmental challenges and sustainable development. It featured 60 oral and 45 poster presentations conducted in offline and online parallel sessions. Awards were presented for five best oral and three best poster presentations, recognizing outstanding contributions aligned with the conference theme.



Guidelines for abstract submission

- Word limit for the abstract is 250-300 words.
- Mention the session under which the abstract should be considered.
- Abstract must be written using MS-Word with the following specifications:

Title (Times New Roman, 14 pt), Authors' Name (Times New Roman, 12 pt and underline the name of presenting author), Institution Name (in Italics, Times New Roman, 11 pt), Email-ID (in Italics, Times New Roman, 11 pt), Text (Times New Roman, 12 pt) and Line Spacing of 1.5pt. * mark with corresponding author email id.

Guide-lines for oral/poster presentation:

A participant can apply either for oral and/or poster presentation

For Oral

The total time allotted for oral presentation is 8 mins +2 mins (questions/answers)

For Posters

Participants will be provided with a display board (1.2 m X 1.2 m dimension)

- Poster size will be A0
- Only registered participant will be allowed to present oral/ poster

How to reach

Google Location:

<https://maps.app.goo.gl/F699ve3zgKctXFfx8>

- **Delhi metro:** 45 minutes drive from Millenium City Centre (Yellow Line)
- **Nearest airport:** 90 minutes drive from IGI Airport, New Delhi
- **By train:** 60 minutes drive from Gurgaon Railway Station

Attractive Places in Delhi NCR



Contact Details

Dr. Chandra Mohan
Convener-cum Organizing Secretary (AMGSE-2025)
Email: gurgaonmohan@yahoo.co.in

WhatsApp +91-9999825418

Dr. Priyanka Kumari
Convener (AMGSE-2025)
Email: dr.priyankakumari@shivaji.du.in

WhatsApp +91 98106 68804

Dr. Neeraj Kumari
Convener (AMGSE-2025)
Email: Yadav.Neeraj.1987@gmail.com

WhatsApp +91-9718029841