

## About RACS-2025

Chemical sciences play a vital role for all basic branches of science, and it contribute significantly in the field of science and technology. The focus of the national conference entitled "Recent Advances in Chemical Sciences (RACS-2025)" is to discuss and understand the recent developments in wide areas of chemical sciences, which may further lead researchers to modify their work or to come up with innovative ideas for the betterment of the society. This will be a platform for students & researchers to listen to the expertise of eminent and leading academicians as well as industry experts working in premier national institutes. As well, intend of this conference is to promote the students to undertake multidisciplinary research in chemistry and it may unlock better avenues for collaboration. Indeed, this conference will provide a relevant platform for students and faculties of chemistry to interact with the eminent scientists and professors of repute across the nation. Moreover, participants are invited to present their research work during the poster/oral session.

## Organising Committee

- Prof. Raju Francis (Professor, School of Chemical Sciences)
- Prof. Anitha C Kumar (Professor & Director, School of Chemical Sciences)
- Dr. S. Anas ((Associate Professor, School of Chemical Sciences)
- Dr. Sreekala M.S (Associate Professor, School of Chemical Sciences)
- Dr. Sunilkumar P. N (Associate Professor, School of Chemical Sciences)
- Dr. Noufal Kandoth (Associate Professor, School of Chemical Sciences)
- Dr. K. B Subila (Assistant Professor, School of Chemical Sciences)
- Dr. Aneesa P (Assistant Professor, School of Chemical Sciences)
- Dr. Ditty Dixon (Associate Professor, School of Chemical Sciences & Co convenor, RACS-2025)
- Dr. Chithra Mohan (Assistant Professor, School of Chemical Sciences & Convenor, RACS-2025)

## Guidelines for Poster/Oral presentation:

- Abstract : Poster/Oral (Max 500/2000 words with relevant references in pdf format)
- Font: Times New Roman, Size: 12, Line spacing 1.5
- Abstract should contain a brief Introduction, Materials & Methods, Results & Discussion, and References.
- Posters should be prepared by strictly following the Green protocol (Max. size 90 x 120 cm)

## Registration Deadline: Aug 05, 2025

### Registration Fees

Students	:	₹ 500/-
Teachers	:	₹ 750/-
Industry	:	₹ 1000/-

For Registration

<https://forms.gle/RaUfzDGyaiVf7nQP9>

Account No - 67011544689, IFSC - SBIN0070669

For More Details, Contact  
Convenor, RACS-2025

Email: 2025racs@gmail.com

☎ 9961 958 421 | 0481-2731036

Visit : <https://scs.mgu.ac.in/racs-2025/>



# School of Chemical Sciences

## MAHATMA GANDHI UNIVERSITY



## National Conference on RECENT ADVANCES IN CHEMICAL SCIENCES (RACS-2025)

2025 AUGUST 21 22 23

Organized by  
School of Chemical Sciences  
Mahatma Gandhi University, Kottayam

Supported by  
ANRF  
Government of India

# RACS - 2025

Dear Sir/Madam,

*Invitation*

We are pleased to inform you that the School of Chemical Sciences, Mahatma Gandhi University, Kottayam is organizing a National Conference on "Recent Advances in Chemical Sciences (RACS-2025)", scheduled to be held from 21<sup>st</sup> to 23<sup>rd</sup> August 2025. The primary objective of the conference is to provide insights into recent developments across various domains of chemical science. The event will serve as a platform for knowledge exchange, featuring presentations by distinguished eminent and leading academicians as well as industry experts serving in reputed institutions across the country. Participants are also encouraged to showcase their work during the poster /oral presentation sessions. We would be honoured by your gracious presence at the conference and look forward to your participation.

Director  
SCS

Thanking You

Your Sincerely  
Convenor, RACS-2025



## PROGRAMME SCHEDULE

21<sup>st</sup> August 2025, Thursday

09.30 am	: Registration
10.00 am	: Inaugural Session
Welcome	: Dr. Chithra Mohan (Convenor, RACS-2025)
Presidential Address	: Prof. (Dr.) Anitha C Kumar (Director, School of Chemical Sciences)
Inauguration	: Prof. (Dr.) C. T. Aravindakumar (Hon'ble Vice-Chancellor, Mahatma Gandhi University)
Felicitations	: Dr. Seno Jose (Syndicate Member, Mahatma Gandhi University)
Vote of Thanks	: Dr. Ditty Dixon (Co convenor, RACS-2025)
11.15 am	: Tea Break

## TECHNICAL SESSIONS

DAY  
1

<b>Session 1</b>	: 11.30 am to 12.30 pm
Session chair	: Dr. Anoop Ayyappan (IIT, Kharagpur)
Speaker	: Prof. Srivari Chandrasekhar (Former Director, IICT, Hyderabad)
Topic	: Ideal Synthesis of Small Molecules towards Suitable Future
Student lecture 1	: 12.30 pm to 12.40 pm
Lunch break	: 12.40 pm
<b>Session 2</b>	: 2.00 pm to 3.00 pm
Session chair	: Dr. Prema G Vasudev (CIMAP, Lucknow)
Speaker	: Dr. Prathama Mainkar (PI Health Sciences Ltd, Hyderabad)
Topic	: Design and Synthesis of Peptide Involving Non-Natural Amino Acids
Student lecture 2	: 3.00 pm to 3.10 pm
Tea break	: 3.10 pm
<b>Session 3</b>	: 3.20 pm to 4.20 pm
Session chair	: Prof. G. Anilkumar (Former Professor, SCS, MG University)
Speaker	: Dr. Tom Thomas (Syner-G Biopharma Group, Bangalore)
Topic	: Recent Advances and Challenges in the Pharmaceutical Industry
Student lecture 3	: 4.20 pm

DAY  
2

<b>Session 4</b>	: 10.00 am to 11.00 am
Session chair	: Prof. G. Gopakumar (IIT, Kanpur)
Speaker	: Prof. S Sampath (IISc, Bangalore)
Topic	: Materials & Interfaces in Electrochemistry
Tea break	: 11.00 am
Student lecture 4	: 11.10 am to 11.20 am
<b>Session 5</b>	: 11.20 am to 12.30 pm
Session chair	: Dr. Joshy Joseph (NIIIST, Thiruvananthapuram)
Speaker	: Dr. Sushant Hazra (IISc, Bangalore)
Topic	: Micellar Nano Technology as a Promising Alternative Approach for Carrying out Organic Reactions in Water: Worst enemy Becomes Best Friend in Organic Synthesis
Student lecture 5	: 12.30 pm to 12.40 pm
Lunch break	: 12.40 pm
<b>Session 6</b>	: 2.00 pm to 3.00 pm
Session chair	: Dr. Subila K.B (SCS, MG University)
Speaker	: Dr. Priya Kumari C.P (IISER, Mohali)
Topic	: How Unique Is the Chemical Bonding in Phase-Change Materials ?
Student lecture 6	: 3.00 pm to 3.10 pm
Tea break	: 3.10 pm
<b>Session 7</b>	: 3.20 pm to 4.20 pm
Session chair	: Dr. Noufal Kandath (SCS, MG University)
Speaker	: Mr. Somnath Das (Unilever, Bangalore)
Topic	: Industrial Research: Perspective from the FMCG Lens
Student lecture 7	: 4.20 pm

DAY  
3

<b>Session 8</b>	: 10.00 am to 11.00 am
Session chair	: Dr. S. Anas (SCS, MG University)
Speaker	: Prof. Suresh C H (SRIBS, Kottayam)
Topic	: MESP Topology has a Quantum Chemical Lens into Chemical Reactivity
Tea break	: 11.00 am
Student lecture 8	: 11.10 am to 11.20 am
<b>Session 9</b>	: 11.20 am to 12.30 pm
Session chair	: Dr. Sreekala M.S (SCS, MG University)
Speaker	: Dr. Jatish Kumar (IISER, Tirupati)
Topic	: Chiral Nanomaterials: An Optical Twist in the Nanoworld
Student lecture 9	: 12.30 pm to 12.40 pm
Lunch break	: 12.40 pm
<b>Session 10</b>	: 2.00 pm to 3.00 pm
Session chair	: Dr. Krishnan Kartha Kalathil (SCS, MG University)
Speaker	: Mr. Sreejith Chengazhassery (Manager, Elite Group)
Topic	: Gaps in Soft Skills between Academia & Industry.
Tea break	: 3.10 pm
Student lecture 10	: 3.20 pm to 3.30 pm
3.30 pm	: Feedback and conclusion Session