



JAMAL MOHAMED COLLEGE (Autonomous)
Accredited with A⁺⁺ Grade by NAAC (4th Cycle) with CGPA 3.69 out of 4.0
(Affiliated to Bharathidasan University)
Tiruchirappalli-620 020

INTERNAL QUALITY ASSURANCE CELL
REPORT OF THE PROGRAMME

Name of the Department: CHEMISTRY

Type of the Programme: International Conference

Title of the Programme : Recent Advances in Chemical and Environmental
Research (ICRACER-2024)

Venue: Commerce (SF) Seminar Hall

Date: 18-12-2024

The 9th International Conference on “Recent Advances in Chemical and Environmental Research” (ICRACER-2024) was organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, on 18th December 2024.

The inauguration of the conference was held at the Commerce (SF) Seminar Hall and commenced with the Qirath by Mr. M. Mohamed Ibrahim of I M.Sc. Chemistry, followed by the Tamil Thai Vazhthu. Dr. M. Seeni Mubarak, Head and Associate Professor, Department of the Chemistry, welcomed the gathering. Dr. D. I. George Amalarethinam, Principal of Jamal Mohamed College, delivered the presidential address. The theme of the conference was elaborated upon by Dr. R. Abdul Vahith, Organizing Secretary of ICRACER-2024.

The book of abstracts was released by Hajee Dr. A. K. Khaja Nazeemudeen, Secretary and Correspondent, and the first copy was received by the guest of honour, Prof. T. Punniyamurthy, Professor of Chemistry, Indian Institute of Technology, Guwahati, Assam, who delivered the inaugural address. Dr. K. Abdus Samad, Assistant Secretary of Jamal Mohamed College, felicitated the gathering. Dr. A. Zahir Hussain, Associate Professor of Chemistry, introduced the resource person. The event concluded with the vote of thanks proposed by Dr. J. Sirajudeen, Associate Professor of Chemistry.

Technical Session-I began with Invited Lecture-I, delivered by Prof. T. Punniyamurthy on the topic “Merging Site-Selective C-H Activation and Strained Ring Systems.” He emphasized the importance of transition-metal-catalyzed site-selective C-H functionalization in contemporary research.

Technical Session-II featured an online lecture by Dr. R. Abdullah, Aptamer Chemist at the Institute for the Advancement of Chinese Medicine, Hong Kong, on “Recent Advancements of Nucleic Acid Aptamers for Cancer Therapy.” He highlighted the importance of aptamers for precise and effective cancer therapies.

Technical Session-III: Both poster and oral presentations were held simultaneously.

Technical Session-IV: Dr. Anitha C. Kumar, Professor and Head, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala, delivered a lecture on “Natural Polymeric Hydrogels for Sustainable Development.” The lecture focused on the characteristics, properties, and applications of natural polymeric hydrogels.

The conference featured diverse lectures by experts from across the nation and abroad. Over 200 participants, including research scholars, industrialists, and students, attended the event. A total of 150 research titles were presented.

The valedictory session began with the Qirath by Ms. Dilna of II M.Sc. Chemistry. Dr. A. Jafar Ahamed, Associate Professor, welcomed the gathering, followed by the presidential address by Dr. R. Jahir Hussain, Vice-Principal, Jamal Mohamed College. Hajee M. J. Jamal Mohamed Shaib, Treasurer, Jamal Mohamed College, felicitated the gathering. Dr. R. Arulnangai, Joint Secretary of ICRCER-2024, presented the conference report, and the valedictory address was delivered by Dr. Anitha C. Kumar, Professor and Head, School of Chemical Sciences, Mahatma Gandhi University, Kerala. Prizes and certificates were distributed to the participants, and Dr. H. Mohamed Kasim Sheit, Joint Secretary of ICRCER-2024, proposed the vote of thanks.



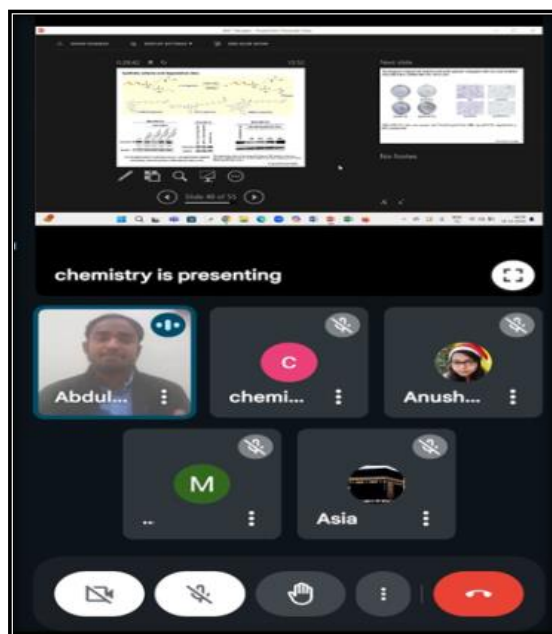
Hajee. Dr. A. K. Khaja Nazeemudeen, Secretary and Correspondent present the first copy of the Book of abstracts to chief guest of Prof. T. Punniyamurthy



The Inaugural address by Prof. T. Punniyamurthy, Professor of Chemistry, Indian Institute of Technology, Guwahati, Assam



Dr. M. Seeni Mubarak, Associate Professor and Head, Welcomes the gathering Participants and delegates at the inauguration



Dr. R. Abdullah, Aptamer Chemist, Institute for the Advancement of Chinese Medicine (IACM), Science Park, Hong Kong delivers a lecture through virtual mode



Dr. Anitha C Kumar, Professor and Head, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala distributes certificates to the participant

Programme outcomes:

- ✓ This conference paves the way to connect with leading institutions / industrialists across the nation and to invite globe leading scientist to our department.
- ✓ The research scholars, PG students of our college and other institutions got opportunities to present their research findings in the scientific forum.
- ✓ Feedback from the experts facilitates them to enhance their research work.

(Dr. R. Abdul Vahith)
Organizing Secretary

(Dr. H. Mohamed Kasim Sheit)
Joint Secretary

(Dr. R. Arulnagai)
Joint Secretary

Head of the Department