



**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA

Affiliated to University of Calicut and Reaccredited by NAAC with 'A++' & SAAC 'A+'  
[www.christcollegeijk.edu.in](http://www.christcollegeijk.edu.in)

Anusandhan National Research Foundation (ANRF)

*and*

Council of Scientific and Industrial Research (CSIR)

*Sponsored*



**INTERNATIONAL CONFERENCE ON  
RECENT ADVANCES IN  
GRAPH THEORY  
(ICRAGT-2025)**

*Organized by*

Postgraduate & Research Department of Mathematics

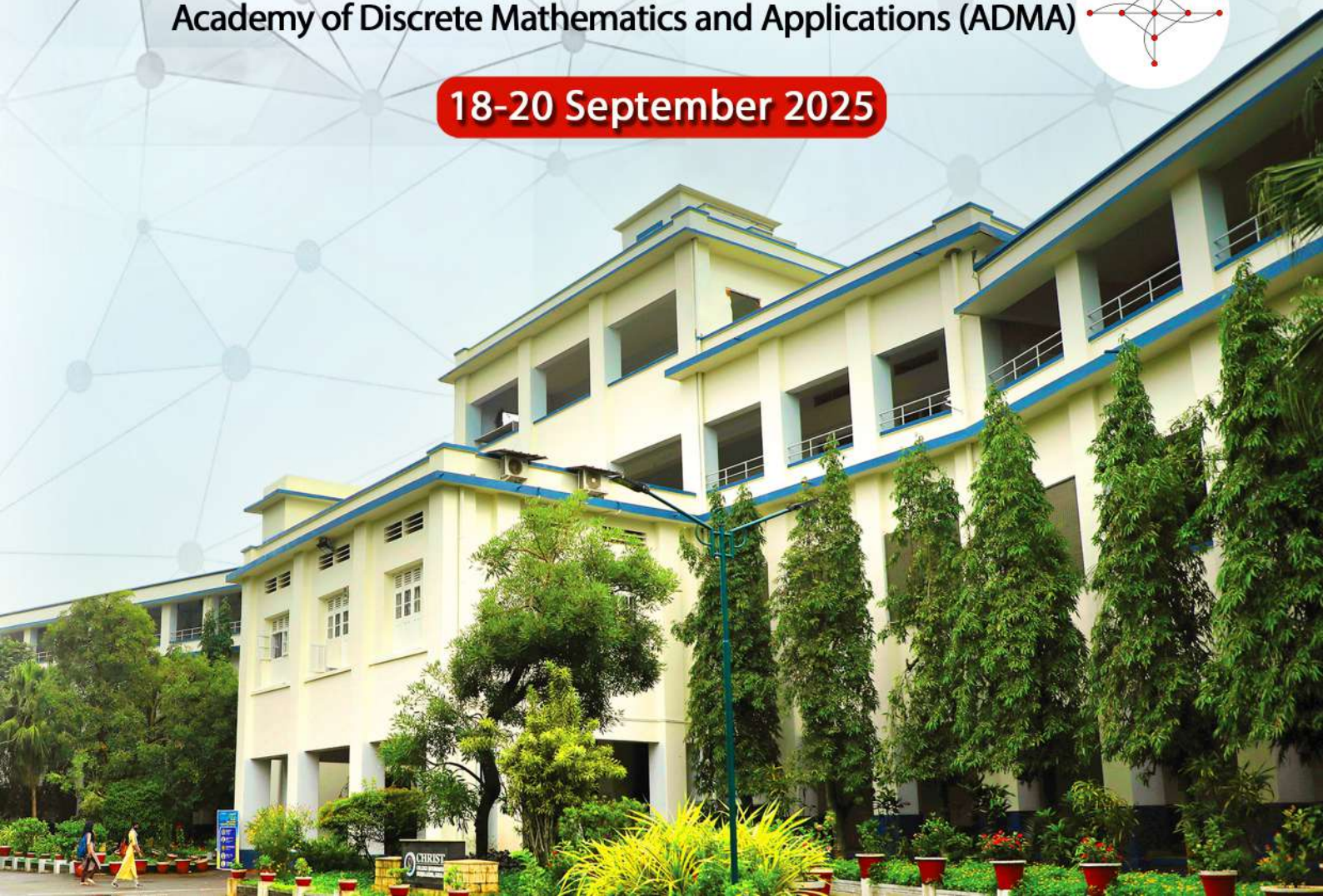


*in collaboration with*

Academy of Discrete Mathematics and Applications (ADMA)



**18-20 September 2025**





## About the Conference

Mathematics is a fundamental discipline that shapes our understanding of the world through its logical structures and precise methods. Graph theory has become an essential branch of Mathematics with significant theoretical advancements and practical applications. Its methods are widely used in network analysis, communication systems, and data science, addressing real-world challenges efficiently. This conference on Recent Advances in Graph Theory will provide a platform for researchers to exchange ideas, fostering innovation and strengthening solutions to contemporary challenges.

**The main objectives of ICRAFT-2025 are outlined below:**

1. Facilitate discussions on recent advancements in graph theory, encouraging the exchange of innovative ideas and research findings.
2. Provide a platform for researchers, academicians and professionals from diverse backgrounds to exchange ideas and build research partnerships.
3. Showcase the growing role of graph theory in solving real-world problems across different fields like computer science, biology and social networks.
4. Create opportunities for young researchers and students to present their work, gain insights and connect with experts in the field.
5. Encourage discussions that bridge graph theory with other mathematical disciplines and scientific domains.

## About the College

Christ College (Autonomous), Irinjalakuda is a pioneer education institution with a mission of moulding intellectually competent citizens committed to the society by developing the potentials of individuals through quality higher education and moral value inculcation. The institution is run by the profound CMI congregation, started off in 1956 with affiliation to University of Calicut. The college was elevated to the status of Autonomy in 2015 and reaccredited by NAAC with "A++" grade in 2022 and accredited by SAAC with "A+" grade in 2022.

## About the Department

The Department of Mathematics is one of the most distinguished departments of the institution, renowned for its accomplished faculty and consistent record of academic excellence. It offers undergraduate, postgraduate, and research programs, with a strong emphasis on academic rigor, discipline, and holistic development. In addition to regular coursework, the department organizes national and international seminars, workshops, and conferences, providing platforms for knowledge exchange and global collaboration. Many of our graduates have secured placements in reputed firms through campus recruitment, while a significant number gain admission to prestigious institutions in India and abroad for higher studies. Students also undertake internships at leading national and international institutions.

## About ADMA

The Academy of Discrete Mathematics and Applications (ADMA) is a registered professional body functioning with the aim of promoting active and quality research in Discrete Mathematics and allied subjects. Established in 2005, it has been successfully disseminating front-line research culture among the discrete mathematicians in India. Its annual conferences are being organized every year in the month of June.

For details :[www.adma.co.in](http://www.adma.co.in)

## Plenary and Invited Speakers



**Prof. Aleksander Vesel**  
Faculty of Natural Sciences  
and Mathematics  
University of Maribor, Slovenia



**Prof. Saket Saurabh**  
Department of Theoretical Computer Science  
The Institute of Mathematical Sciences, Chennai



**Prof. Kiran R Bhutani**  
Department of Mathematics  
The Catholic University of America  
Washington DC.



**Prof. Stephan Wagner**  
Institute of Discrete Mathematics  
Graz University of Technology, Austria



**Prof. Ambat Vijayakumar**  
Emeritus Professor of Mathematics  
Cochin University of Science  
and Technology, Cochin, Kerala



**Prof. Tamizh Chelvam T**  
CSIR- Emeritus Scientist  
Manonmaniam Sundaranar University  
Tamilnadu



**Prof. Seema Varghese**  
Department of Mathematics  
Govt. Engineering College  
Thrissur, Kerala



**Prof. L. Sunil Chandran**  
Department of Computer Science  
and Automation  
Indian Institute of Science, Bangalore



**Dr. S. Francis Raj**  
Associate Professor,  
Department of Mathematics  
Pondicherry University  
Puducherry, Tamilnadu



**Prof. Gek L. Chia**  
Adjunct Professor  
Department of Mathematical and  
Actuarial Sciences  
Universiti Tunku Abdul Rahman  
Selangor, Malaysia



**Dr. Krishnan Paramasivam**  
Associate Professor  
Department of Mathematics  
NIT Calicut, Kerala



**Dr. T. Karthick**  
Associate Professor  
Department of Computer Science  
Indian Statistical Institute, Chennai



**Dr. Deepak Rajendraprasad**  
Associate Professor  
Department of Computer Science  
and Engineering  
IIT Palakad, Kerala

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## CHIEF PATRON

Fr. Joy P. T.  
Manager

## PATRONS

Fr. Dr. Jolly Andrews  
Principal

Fr. Dr. Wilson Tharayil  
Director (Self-Financing Programs)

## EXECUTIVE CHAIR

Fr. Dr. Vincent N. S. (Bursar)

Dr. Robinson P.  
Dean of Academic Affairs

Dr. Linto Alappat  
Dean of Research, Development and Teaching  
Learning Center

Dr. Shinto K. G. (IQAC Coordinator)

Dr. Seena V.  
Head, Dept. of Mathematics

Dr. Joju K. T.  
Coordinator, Dept. of Mathematics-Unaided

Dr. Tintumol Sunny  
General Convenor- ICragt-2025

## ADVISORY COMMITTEE

1. Prof. Ambat Vijayakumar  
Emeritus Professor of Mathematics, Cochin University  
of Science and Technology, Cochin
2. Prof. Aleksander Vesel  
Faculty of Natural Sciences and Mathematics,  
University of Maribor, Slovenia
3. Prof. Tamizh Chelvam T  
CSIR- Emeritus Scientist, Manonmaniam Sundaranar  
University, Tamilnadu
4. Dr. Krishnan Paramasivam  
Associate Professor, Department of Mathematics,  
NIT Calicut

## ORGANIZING COMMITTEE

Dr. Seena Varghese (Assistant Professor)  
Mr. Anand M. S. (Assistant Professor)  
Ms. Sivakami C. S. (Assistant Professor)  
Ms. Mary Pauly K. (Assistant Professor)  
Dr. Agnes Poovathingal (Assistant Professor)  
Ms. Amaya P. M. (Assistant Professor)  
Ms. Soniya Babu (Assistant Professor)  
Ms. Anjana Rajan (Assistant Professor)

## Call for Papers

Research papers are invited for presentation at the conference. Authors are requested to submit abstracts (both PDF and LaTeX files) using the prescribed template available on the registration google form and the official website, along with the full paper.

- Submissions may be sent to: [icragt2025@christcollegeijk.edu.in](mailto:icragt2025@christcollegeijk.edu.in)
- A special prize will be awarded for the **best presentation**.
- Presenters are encouraged to submit their papers to the peer reviewed journal **Indian Journal of Discrete Mathematics (IJDM)**, published by ADMA.

## Important Dates

Registration Deadline : **August 30, 2025**  
Abstract Submission : **August 15, 2025**  
Full Paper Submission : **August 25, 2025**  
Abstract Acceptance : **August 30, 2025**

## Contact Address

Dr. Tintumol Sunny (Convenor)  
9400695051

E-mail : [icragt2025@christcollegeijk.edu.in](mailto:icragt2025@christcollegeijk.edu.in)

Website : [cscs.christci.in/international-conference](http://cscs.christci.in/international-conference)

## Registration Fee

Students : Rs.500/-  
Research Scholars : Rs.1000/-  
Faculty : Rs.2000/-  
Accommodation will be provided on a first-come, first served basis, for early bird registrations.

A/C Name : Principal & Bursar

A/C No: 0463053000013592

Bank: South Indian Bank

Christ Nagar Branch Irinjalakuda

IFSC: SIBL0000463

