



INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED MATHEMATICS (ICRTAM 2023)



Organized by
DEPARTMENT OF MATHEMATICS
LOYOLA COLLEGE
CHENNAI, TAMIL NADU, INDIA

FEBRUARY 24-25, 2023
(HYBRID MODE)

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<https://sites.google.com/loyolacollege.edu/icrtam>

ABOUT THE COLLEGE

Loyola College, Chennai was established in the year 1925 with 75 undergraduate students of Mathematics, History and Economics. Loyola College was given autonomy in 1978 and was honored with “College with Potential for Excellence” in 2010 and “College of Excellence” from 2014 onwards. Loyola was ranked 4th among Arts and Science Colleges in India by National Institute Ranking Framework (NIRF) in the year 2022, and has been accredited with a CGPA of 3.55 on four point scale at A++ grade by NAAC in 2021. Around 9500 students are studying in 19 postgraduate and 24 undergraduate departments, and Research is carried out in 12 departments. Loyola provides quality education, incredible compendium of academic programmes, innovative methodologies and intensive research to the students.

ABOUT THE DEPARTMENT

The Department of mathematics was established in the year 1925 with a B.A. program in Mathematics. The Honors course in Mathematics was integrated in 1927 and the first batch of students appeared for the B.A. Honors degree in 1930. The department was recognized as a research department in 1984. The Racine Research Centre was established in the department in 1991 on the occasion of the birth centenary of Rev. Fr. Charles Racine D.Sc., who was one of the great influences in the development of modern mathematics in India. The mathematicians M. S. Narasimman FRS and C.S. Seshadri FRS, founder and director emeritus of the Chennai Mathematical Institute are the alumni of the department who are known for the famous Narasimman-Seshadri theorem. The research areas of the department include

- Graph Theory
- Fuzzy Logic
- Functional Analysis
- Astronomy
- Formal Languages and Automata Theory

ABOUT THE CONFERENCE

The Department of Mathematics, Loyola College, Chennai hosts the “International Conference on Recent Trends in Applied Mathematics” (ICRTAM 2023) on 24th and 25th February 2023, in the succession of ICRTAM 2022 held during march 2022 after which around 75 research articles published in the journals 'Advances and Applications in Mathematical sciences' and 'South East Asian Journal of Mathematics and Mathematical sciences'.

The objective of this conference is to provide an academic platform for young researchers to present their new research findings and exchange their expertise and techniques in the field of Applied Mathematics. The conference focuses on problems and solutions which are relevant to the global need of mathematical research and to sense the requirement of mathematical approaches in their respective fields by exchanging ideas through interactions and fruitful discussions.

The “International Conference on Recent Trends in Applied Mathematics” (ICRTAM 2023) aims to bring together both novice and experienced researchers in various fields of Applied Mathematics to meet and establish a vibrant network among research groups. The conference includes a keynote address and invited talks by eminent Mathematicians around the world and paper presentations by researchers.

Steering Committee

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Head, Department of Mathematics,
Loyola College, Chennai

Co-Convenor

Dr. M. A. Basker
Department of Mathematics
Loyola College, Chennai

CALL FOR PAPERS

Authors are invited to submit the original and unpublished research articles in the following areas, but not limited to :

- . Graph theory and Combinatorics
- . Fuzzy Logic and Analysis
- . Communication Networks
- . Automata Theory
- . Functional analysis
- . Control Theory
- . Computational Mathematics
- . Neural Networks
- . Probabilistic and Randomized Algorithm
- . Complexity Theory
- . Differential Equations
- . Theoretical Computer Science

Invited Speakers



Prof. Yang Kuang
School of Mathematical and Statistical Sciences
Arizona State University, Tempe, USA



Prof. Xueliang Li
Center of Combinatorics
Nankai University, Tianjin, China



Prof. Kinkar Chandra Das
Department of Mathematics,
Sungkyunkwan University, Republic of Korea



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Mathematics
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Journal Publication

All the accepted papers of the conference will be published in the UGC CARE – Web of Science/SCOPUS journals as per the standing procedure of the journals.

Abstract and Paper Format

The abstract should be between 100–200 words with complete author details and marked (*) for the corresponding author. The authors can use their own format for the full paper, and after acceptance of the paper, the formatting should be done according to the journal.

Authors have to send the abstract and the full paper to icrtam2023@loyolacollege.edu

Important Dates

Last date for submitting abstract – January 15, 2023
Notification of acceptance for oral presentation – January 20, 2023
Last date for registration – January 25, 2023
Last date for submitting full paper – January 30, 2023
Notification of acceptance for publication – March 10, 2023

Registration Fee and Link

Faculty : Rs. 1500 /-
Research Scholars : Rs. 1000 /-
(both online and offline)
Registration link
<https://erp.loyolacollege.edu/loyolaonline/conference/loginManager/youLogin.jsp>
Weblink
<https://sites.google.com/loyolacollege.edu/icrtam>

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