



5th International Conference

on

Recent Advances in Mathematical Sciences and its Applications (RAMSA-2021)

(December 02-04, 2021)

Organized in blended mode (Online & Offline)

by

Department of Mathematics

Jaypee Institute of Information Technology

A-10, Sector-62, Noida, U.P.-201309, India

Website: www.ramsaconference.com

ABOUT JIIT

The Jaypee Institute of Information Technology (JIIT) is declared as a deemed to be University under section 3 of UGC Act 1956. JIIT is fully backed and supported by the Jaypee Group of Companies through its not-for-profit trust – Jaiprakash Sewa Sansthan (JSS). It is situated near the Electronic City at Noida and is at a distance of about 3 Kms from New Delhi – UP border. The state-of-the-art campus aims at becoming a centre of excellence in the field of information technology & related emerging areas of education, training and research comparable to the best in the World for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management. The Institute offers Doctoral (Ph. D.), Post Graduate (M. Sc., M. Tech. and MBA) as well as Under Graduate (B. Tech.) programs in the various disciplines of Engineering, Sciences and Management. JIIT is a NAAC Accredited, AICTE approved and NIRF Ranked Institute in Delhi NCR.

ABOUT THE HOST DEPARTMENT

Mathematics plays a key role in the development of modern sciences, engineering, management and many other important areas of activities. With this aim in mind the Department of Mathematics was established from the very inception with a Vision to attain excellence in teaching and research and become a leader in the field of mathematics and its applications. Besides catering to the basic needs of the various B. Tech. / M. Tech. / Ph. D. programs of the Institute, it had a strong fervor towards research and development. The Department has a good blend of pure and applied mathematicians, which provides a vibrant research atmosphere. The specializations of the faculty members cover most of the important and emerging areas of Mathematics. The main research groups of the Department involve: Fractals and Chaos, Mathematical Analysis; Numerical Analysis and Computational Continuum Mechanics; Queuing, Fuzzy and Information Theory. The Department is also actively involved in its own research and development activities through its M.Sc., M. Tech. (Applied and Computational Mathematics) and Ph.D. Programs.

GOAL OF THE CONFERENCE

The aim of this conference is to bring together learned mathematicians, scientists, engineers, researchers from industry and research scholars working in the different areas of mathematics at a common platform. This will facilitate exchange of ideas regarding the research findings and new advances in mathematics in the wide area of mathematics, sciences and engineering and to discuss the practical challenges encountered in the different domains of applications and the solutions adopted thereto. Further, it will provide an opportunity to enhance collaboration among researchers not only from the various parts of the country but also with those from abroad. The scientific program will consist of Keynote/plenary/invited lectures and parallel sessions for contributed presentations. The main emphasis will be on the vibrant applicational aspects of applied mathematics in relation to diverse areas of engineering and sciences. The invited lectures and refereed contributed papers will be published in the proceedings after due reviewing process by the committee of experts in various disciplines. The conference proceedings of the previous series of RAMSA were published by **AIP (Scopus Indexed), USA.**

CALL FOR PAPERS

The broad topics of interest include, but are not limited to, the following:

- Algebra and Its Applications
- Analysis and Approximation Theory
- Coding, Cryptography and Information Theory
- Computational Fluid Dynamics
- Computer Graphics & Animation
- Continuum Mechanics and Vibrations
- Differential Equations and Applications
- Discrete Mathematical Structures
- Fixed Point Theory
- Fractals, Chaos and Dynamical Systems
- Fuzzy Mathematics and Logic
- Image Processing
- Numerical Analysis
- Optimization and Its Applications
- Probability, Statistics and Stochastic Processes
- Theory of Computation
- Wave Propagation
- Wavelets and Applications

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IMPORTANT DEADLINES

Submission of Abstract (Open for oral presentation)

Submission of Full Length Paper August 31, 2021

Notification of Acceptance of paper October 10, 2021

COMMUNICATION

All the communications may be addressed to:

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REGISTRATION FEE

Participants	Mode	Registration Charges	
		Abroad	India
Academicians/ Scientists	Offline	\$300	Rs. 6,000/-
	Online	\$150	Rs. 3000/-
Research Scholars	Offline	\$200	Rs. 3000/-
	Online	\$100	Rs. 1500/-
Students (JIIT Alumni)	Offline	_____	Rs. 2000/-
	Online	_____	Rs. 1500/-
Attendee	Offline	\$100	Rs. 500/-
	Online	\$50	Rs. 300/-

Important points

- ✓ The registration fee for Offline Mode includes conference kit, lunch and tea during the conference.
- ✓ Only accepted and presented paper, after peer review, will be published in Springer Proceedings in Mathematics and Statistics of which the proposal is submitted (Decision awaited). The publication charges (if any) for the full length accepted papers will be charged separately.
- ✓ For On the Spot Registration, 20% extra charges will be paid by the participants.
- ✓ For Early Bird Registration (**Till November 02, 2021**), 10% discount will be provided to the participants.

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LIST OF INVITED SPEAKERS

Prof. R. P. Agarwal, Texas A & M University, Kingsville, Texas, USA

Prof. J. Matkowski, University of Zielona Góra, Poland

Prof. Jichun Li, University of Nevada, Las Vegas, USA

Prof. Satya Deo, Harish-Chandra Research Institute, Allahabad, India

Prof. Maithili Sharan, Indian Institute of Technology, Delhi, India

Prof. Kalyan Chakraborty, Kerala School of Mathematics, Kerala, India

Prof. Shishir Gupta, IIT (ISM) Dhanbad, India

Prof. M. Mursaleen, Aligarh Muslim University, Aligarh, India

Prof. R.C. Mittal, JIIT Noida, India

Prof. M. Thamban Nair, Indian Institute of Technology, Chennai, India

Prof. Riddhi Shah, Jawaharlal Nehru University, Delhi, India

Prof. C. S. Lalitha, Delhi University, Delhi, India

Prof. Kapil Kumar Sharma, South Asian University, Delhi, India

Prof. Antar Bandyopadhyay, Indian Statistical Institute, Delhi, India

Prof. M.Sajid, Qassim University, Saudi Arabia

Dr. Prasanna Mishra, SAG DRDO, Delhi, India