National Webinar
on

Recent Trends in Mathematical Analysis and Applications
(RTMAA-2021)

[August 03–05, 2021]

Organized by:

Department of Mathematics
Patna Science College
Patna



About the College

Patna Science College, a constituent unit of Patna University, was established in 1927. Initially it was opened as the Science Department of Patna University. It began functioning independently from 1928. Since then Patna Science College has been recognized as a Premier Institution go higher learning in science stream in India. The College is centrally located in Patna, the capital of Bihar, occupying an area of approximately 28.32 acres of land containing separate blocks of different science departments.

Objective

The main objective of this National Webinar is to bring together senior and young researchers working in the area of Mathematical Analysis and allied areas to exchange new ideas and to discuss current challenging issues. This webinar will explore the basic concepts of Algebra, Analysis, Fluid Dynamics, Mathematical Modelling for real life problems and Computer Applications which will help UG, PG, Ph.D. students and faculty members to learn and discuss various concepts from eminent speakers.

Topics

- Linear Algebra, Modern Algebra, Analysis, Functional Analysis, Basic concepts of Wavelets and its Application in Sciences
- Basic concepts of Groups, Rings and Number theory and their Applications in Cryptography.
- Introduction to Mathematical Modeling and its Application to Ecological and Biological Problems
- Introduction to fluid dynamics and real life example
- Basic of Rees algebra and graded rings.
- Differential Equations and their Applications in Computer Science

Organizing Committee

Chief Patron: Prof (Dr.) Girish Kumar Choudhary
Vice Chancellor
Patna University, Patna

Patron:
1. Prof (Dr.) Shree Ram Padmadeo
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Patna Science College, Patna
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P.G. Department of Mathematics
Patna University, Patna
3. Dr. P. K. Choudhary
Associate Professor & Head,
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Patna Science College, Patna

Convener & Organizing Secretary:
Dr. Priti Singh
Assistant Professor
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Coordinator: Dr. Amar Nath Kumar
Guest Faculty,
Department of Mathematics
Patna Science College, Patna

Departmental Organizing Committee

- **Dr. Dinesh Kumar Manjhi,** Assistant Professor, Patna College, Patna
- **Mr. Avinash Kumar,** Assistant Professor, Patna College, Patna
- **Dr. Sudhir Kumar Sudhanshu,** Guest Faculty, Patna Science College, Patna
- **Dr. Santosh Kumar,** Guest Faculty, Patna Science College, Patna
- **Mr. Ravi Kumar,** Research Scholar, P. G. Department of Mathematics, Patna University, Patna
- **Mr. Sharvan Kumar,** Research Scholar, Patna Univ.

About the Department of Mathematics

The Mathematics Department of Patna Science College is situated in the Administrative Block of Patna Science College campus. The Department of Mathematics is one of the pioneering and the most distinguished Department in Patna Science College, Patna. The Department had the privilege of having eminent scholars on its faculty. The teachers of the Department have been receiving national and international recognition for their high quality teaching and research. The Department is committed to outstanding graduate training to produce leading scholars in various fields of Mathematics.

Advisory Committee

- **Prof. K.K. Jha**
  Ex-Vice Chancellor, Patna University & Ex- Principal Patna Science College, Patna
- **Prof. K. C. Sinha**
  Ex- Principal, Patna Science College, Patna
- **Prof. B G Prasad**
  Ex-Head P.G. Department of Mathematics, Patna University, Patna
- **Prof. Shiv Datt Kumar**
  MNNIT Allahabad, Prayagraj (UP)
- **Prof. Shyam Lal**
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  Department of Mathematics, BHU Varanasi
- **Prof. Raja Sridharan**
  School of Mathematics, TIFR Mumbai
- **Prof. Vijay Kodiyalam**
  Institute of Mathematical Sciences(IMSC), Chennai
- **Dr. Santosha Kumar Pattanayak**
  Department of Mathematics & Statistics, IIT Kanpur
- **Prof. Lalit Kumar Saran**
  Ex-Head P.G. Department of mathematics, V.K.S.U. Arrah

Invited Speakers

- **Prof. Shiv Datt Kumar**
  Department of Mathematics, MNNIT Allahabad
- **Prof. Harish Chandra**
  Department of Mathematics, BHU Varanasi
- **Dr. Ratnesh Kumar Mishra**
  Department of Mathematics NIT, Jamshedpur
- **Dr. Krishnendu Bhattacharya**
  Department of Mathematics, BHU Varanasi
- **Dr. Anupam Priyadarshi**
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- **Dr. Jyoti Singh**
  Department of Mathematics, VNIT Nagpur
- **Dr. Sumit Kumar Upadhyay**
  Department of Applied Sciences, IIIT Allahabad
- **Dr. Raj Kumar**
  St. Xavier's College of Management and Technology, Patna
- **Dr. Alphonse Sebastian**
  St. Xavier's College of Management & Technology, Patna
- **Dr. Sanjay Kumar**
  Amity School of Engineering & Technology, Amity University, Patna
- **Dr. Amar Nath Kumar**
  Department of Mathematics, Patna Science College, Patna

Registration Fee:

NO Fee. Free for all participants

Link for registration: Use the following link to register yourself in the Webinar ***RTMAA-2021***

https://docs.google.com/forms/d/e/1FAIpQLSdACAnPLrrvN9p7sUpzIYN59Z0yx5-soGmpVbPLLiJ3t8nEhlQ/viewform

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