

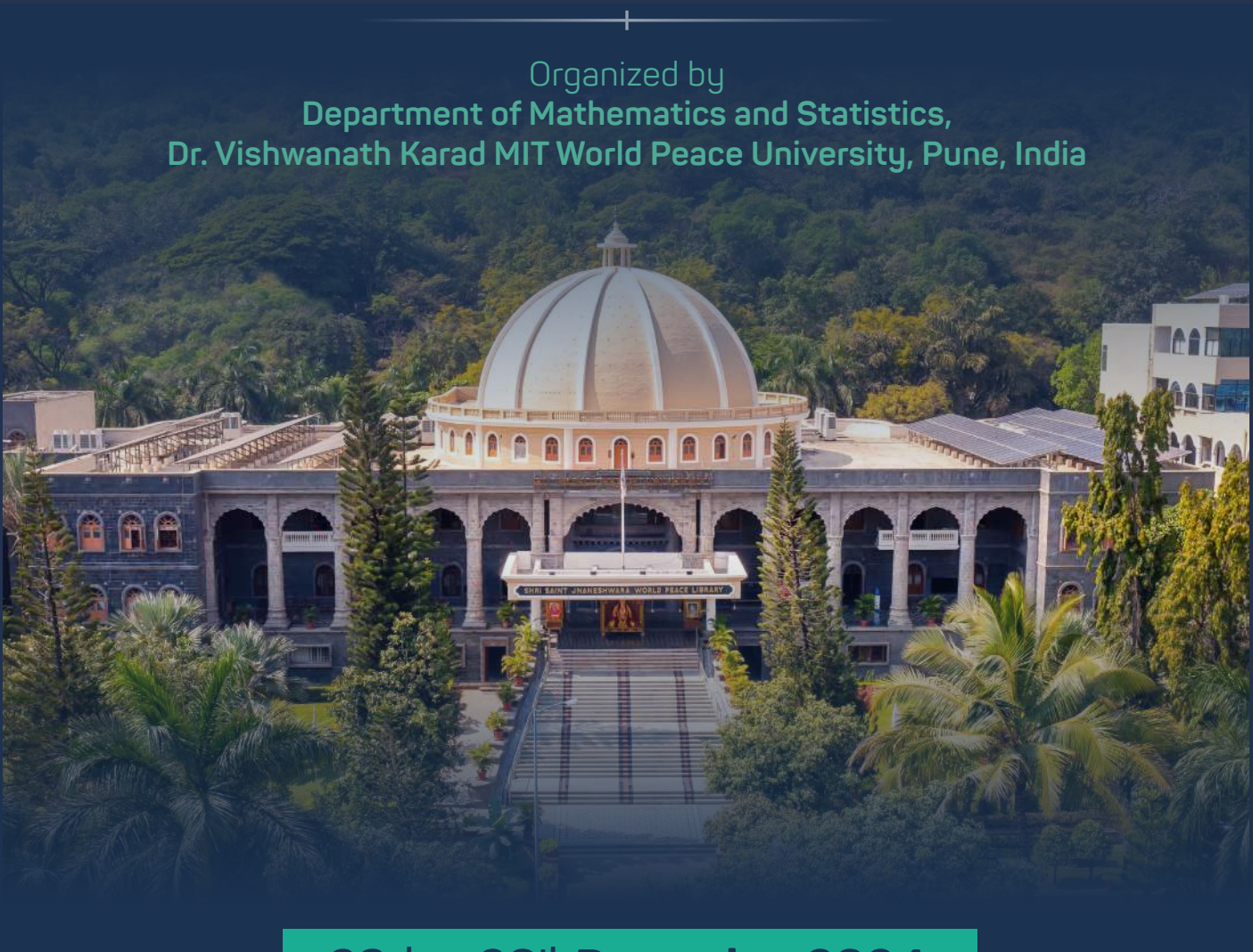


Dr. Vishwanath Karad  
**MIT WORLD PEACE  
UNIVERSITY | PUNE**  
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS



# 90<sup>th</sup> Annual Conference of Indian Mathematical Society An International Meet

Organized by  
Department of Mathematics and Statistics,  
Dr. Vishwanath Karad MIT World Peace University, Pune, India



**23<sup>rd</sup> to 26<sup>th</sup> December 2024**

**VENUE:**

**Department of Mathematics and Statistics,  
Dr. Vishwanath Karad MIT World Peace University, Pune, India**

S.No. 124, Paud Road, Kothrud, Pune - 411038

## About the conference and IMS

Indian Mathematical Society (IMS) is the oldest organization in India devoted to the promotion of study and research in mathematics. The Society was founded in April 1907 by V. Ramaswami Aiyar with its headquarters at Pune. The Society started its activities under the tentatively proposed name Analytic Club and the name was soon changed to Indian Mathematical Club. After the adoption of a new constitution in 1910, the society acquired its present name, namely, the Indian Mathematical Society. The first president of the Society was B. Hanumantha Rao. Every year, The Society organizes its annual conference at different locations of the country. The upcoming 90th Annual Conference of The Indian Mathematical Society-an international meet will be organized during 23-26 December 2024 at the Department of Mathematics and Statistics, Dr. Vishwanath Karad MIT-World Peace University, Pune, Maharashtra-411038, India. The conference is intended to keep abreast of the latest developments in the field of Mathematics.

## About MIT-WPU

MIT World Peace University (MIT-WPU) is a prestigious world-class institution of higher education in India, boasting a remarkable 40-year legacy dedicated to fostering excellence in academics. With a global alumni network comprising over 1,00,000 professionals, MIT-WPU has consistently delivered outstanding educational outcomes. The institution offers over 150 undergraduate and postgraduate programmes that are thoughtfully designed to strike a balance between theoretical foundations and practical application. The pedagogical approach prioritises experiential learning, empowering students to translate knowledge into real-world skills. This is facilitated through immersive internships and invaluable mentor-mentee insights that serve as catalysts for personal and professional growth.

## About Department of Mathematics and Statistics MIT-WPU

The Department of Mathematics and Statistics is a dynamic academic hub that embraces a holistic approach to education, integrating traditional quantitative disciplines with courses in peace studies and yoga. Our commitment extends beyond technical expertise, fostering the comprehensive development of students. The undergraduate programme, B.Sc. in Applied Statistics and Data Analytics, lays a robust foundation for students to navigate the intricate realm of data interpretation. At postgraduate level, the department offers two distinct paths – M.Sc. in Mathematics and M.Sc. in Statistics. These programmes delve into advanced theories and methodologies, empowering students with specialised knowledge. For those aspiring to contribute to cutting-edge research and advance the frontiers of knowledge, our Ph.D. in Mathematics and Statistics provides a rigorous platform.

## Focus Areas:

Algebra, Analysis, Algebraic and Differential Topology, Number Theory, Combinatorics, Discrete Mathematics, Functional Analysis, Lattice theory, Graph theory, Noncommutative Rings, Applied Mathematics, Biomechanics, Bioinformatics, Mathematical Ecology, Mathematical Epidemiology, History of Mathematics in India.

## IMS Office Bearers:

### President:

Prof. Madhu Raka, Panjab University, Chandigarh

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Prof. R. Balasubramanian, (Retired), Institute of Mathematical Sciences, Chennai.

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### Administrative Secretary:

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### Academic Secretary:

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**The Journal of the Indian Mathematical Society:**

Prof. Peeyush Chandra,  
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### Editor-in-Chief,

**The Mathematics Student:**

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(Retired), University of Madras.

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### Librarian:

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## VARIOUS PRIZES / AWARDS FOR RESEARCH PAPER PRESENTATION

To encourage and inspire the young and budding researchers, the Society, during its Annual Conference holds "Special Sessions" of "Paper Presentation Competition" for various prizes to be awarded to the best research papers presented. The notification inviting papers for the Prizes Session and Awards Session can be found at <https://www.indianmathsoc.org/> under the links Notification **IMS Prizes 2024 and Notification-IMS Awards-2024**.

## List of Speakers

### **Memorial Award Lectures**

- Prof. K Sandeep, TIFR Centre for Applicable Mathematics, Bengaluru
- Prof. Kalyan Chakraborty, Professor, Department of Mathematics, HRI Prayagraj
- Prof. Tirthankar Bhattacharya, Professor, Department of Mathematics, IISc
- Prof. Ashish Upadhyay, Professor, Department of Mathematics, BHU Varanasi

### **Invited Talks**

- Prof. Pratima Panigrahi, Professor, Department of Mathematics, IIT Kharagpur
- Prof. Prajakta Nimbhorkar, Associate Professor, CMI Chennai
- Prof. B Rushi Kumar, Professor, Department of Mathematics, VIT University, Vellore
- Dr. Surinder Pal Singh Kainth, Department of Mathematics, Panjab University
- Dr. Tapas Chatterjee, Associate Professor, Department of Mathematics, IIT Ropar.
- Prof. S K Tomar, Vice Chancellor, JC Bose University of Science and Technology, Faridabad

### **Symposia Themes**

- Conveners

### **Theoretical and Computational Mathematical Biology**

- Dr. Prashant K. Srivastava, Associate Professor, Department of Mathematics, IIT Patna

### **Function Spaces and Integral Operators**

- Prof. Pankaj Jain, Professor, Department of Mathematics, SAU, Delhi

### **Data driven Machine Learning**

- Prof. R Rakkiyappan, Professor, Department of Mathematics, Bharathiar University, Coimbatore

### **Special Functions**

- Prof. Subuhi Khan, Professor, Department of Mathematics, Aligarh Muslim University

## Chief Patron

Revd. Prof. (Dr.) Vishwanath D Karad  
Founder & President, MIT-WPU

## Patron

Shri. Rahul V. Karad  
Executive President MIT-WPU

## Advisory Board

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SoES, MIT-WPU

## Conveners

**Prof. Vijay Kumar Kalyani,**  
**Dr. Rupal Shroff,**  
**Prof. Ramaa Sandu**  
Department of Mathematics and Statistics,  
Dr. Vishwanath Karad  
MIT World Peace University, Pune.

## Local Organizing Secretary

**Dr. Prashant P. Malavadar**  
Professor and Head, Department of  
Mathematics and Statistics, Dr. Vishwanath  
Karad MIT World Peace University, Pune.

## Organising Committee

**Prof. Suvarna Ranade**  
**Prof. Vaishali Joshi**  
**Prof. Rajashree Jadhav**  
**Prof. Pratibha Kshirsagar**  
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**Dr. Gajanan Birajdar**  
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**Dr. Abdul Nasir Khan**  
**Dr. Abhishek Singh**  
**Dr. Ashok Kumar Jaiswal**  
**Dr. Hemant Kulkarni**



## Call For papers and poster presentation

The participants are kindly invited to submit the abstract of their research papers/posters for presentation at the conference. The abstract will go through the screening process and the decision about selection of papers/posters for presentation will be communicated to participants.

The abstracts are to be submitted, at the latest by 20 Nov. 2024, through Google form: <https://forms.gle/UqZjnRHb581kLS5c7>

## Important Dates:

**Registration starting date:** 1st August 2024

**Last date for submission of Abstract:** 20th Nov. 2024

**Decision on the selection of Abstract:** 25th Nov. 2024

**Last date Registration:** 5th Dec. 2024

## Registration Fees

<b>Indian Nationals</b>	<b>With accommodation</b>	<b>Without accommodation</b>
Research Scholars/ IMS Life Members	INR 4000	INR 2500
Others (Non-IMS Life Members)		
(i) Registration Fees	INR 4500	INR 2500
(ii) Sessional Membership (Indian Nationals)	INR 300	INR 300
<b>Total (i+ii)</b>	<b>INR 4800</b>	<b>INR 2800</b>
Accompanying person	INR 2000	INR 2000

<b>Foreign Nationals</b>	<b>With accommodation</b>	<b>Without accommodation</b>
Foreign Participants		
(i) Registration Fees	USD 100	USD 60
(ii) Sessional Membership (Foreign Nationals)	USD 15	USD 15
<b>Total (i+ii)</b>	<b>USD 130</b>	<b>USD 90</b>
Accompanying person	USD 50	USD 50

*Note: The conference registration fees include the conference kit, shared hostel accommodation, breakfast, lunch, tea/snacks, dinner on all conference days and access/admission to technical sessions as part of the conference. For participants without accommodation, lunch, tea/snacks will be available.*

Registration Form : <https://forms.gle/fQX9VydFRU3TzaXDA>

It is mandatory for all participants to be members of IMS or become sessional member. They are encouraged for IMS Life Membership. For details see, <https://forms.gle/DGwuq3KssFD6UAA96>

Or contact Treasurer IMS at [treasurerindianmathsociety@gmail.com](mailto:treasurerindianmathsociety@gmail.com)

**IMS Website**