

## Conference Theme

- Explore the latest advancements in Computational Geometry and Mathematical Analysis, emphasizing their role in tackling contemporary challenges and driving innovations.
- Bridge the gap between theory and practice: Investigate data-driven approaches for addressing complex challenges in geometry and analysis, fostering innovation and problem-solving capabilities.
- Exploring advances in Topological Data Analysis in understanding the shapes of data, and its applications in science and industry.
- Industrial Applications and Dialogue: Bring industrial insights on the applications of geometry and analysis in sectors like healthcare, finance, and climate modelling. Fostering a dialogue through engaging panel discussions.

## List of Speakers

- Prof. Mahan Mj, TIFR, Mumbai.
- Prof. S. Kumaresan, Central University of Hyderabad (Retd.).
- Prof. Mikael Vejdemo-Johansson, CUNY, USA.
- Prof. Rekha Kulkarni, IIT Bombay, (Retd.).
- Prof. Jyotshana V. Prajapat, University of Mumbai.
- Prof. Krishnendu Gongopadhyay, IISER Mohali.
- Prof. Sudhir Kulkarni, IIT Madras.
- Prof. Santanu Dey, IIT Bombay.
- Prof. Syeed Abhas, IIT Mandi.
- Prof. Jagdev Singh, JCERC, Rajasthan.
- Prof. Sourish Das, CMI, Chennai.
- Prof. Priyavrat Deshpande, CMI, Chennai.
- Prof. Anirban Chakraborti, JNU, Delhi.
- Prof. Sachin Bhalekar, HCU, Hyderabad.
- Dr. Uma Ravat, Santa Barbara, UCSB, California.



# National Conference on Computational Geometry, Analysis and Machine Learning (NCCGAML)

Jointly Organised by  
Institute of Chemical Technology,  
Mumbai

&  
S.I.W.S. N.R. Swamy College of  
Commerce & Economics and  
Smt. Thirumalai College of Science,  
Mumbai



## 18-19 April, 2025



Institute of Chemical Technology,  
Matunga East, Mumbai - 400019,  
Maharashtra.

## Patrons

**Prof. A. B. Pandit**

Vice Chancellor, ICT, Mumbai.

**Shri R. Radhakrishnan**

Chairman, S.I.W.S. College, Mumbai.

## About ICT Mumbai

- Established in 1933, evolved from UDCT to ICT, a Deemed-to-be-University renowned for advancements in chemical science and technology.
- Accredited as Maharashtra's Elite Status and Centre of Excellence since 2012, a unique distinction in India.
- Focused on chemical engineering, applied sciences, pharmacy, and biotechnology, fostering innovation and industrial collaboration.

## About S.I.W.S. College

- SIWS N. R. Swamy College and Smt. Thirumalai College of Science provide quality education in Commerce and Science streams.
- The colleges are autonomous and NAAC re-accredited with an "A" grade, offering diverse undergraduate and postgraduate programs.
- The faculty members of the department of Mathematics are actively engaged in research of Pure & Applied Mathematics and organizing invited talks by experts. The department involved in collaborations with other reputed institutions and has ongoing project funded by NBHM.

## Convener

**Prof. Ajit Kumar**

Department of Mathematics,  
Institute of Chemical Technology, Mumbai.

## Co-Convener

**Prof. G. V. V. Hemasundar**

Department of Mathematics,  
S.I.W.S. College, Mumbai.

# About the Department

The Department of Mathematics at ICT Mumbai offers comprehensive PG and Ph.D. programs in mathematics, statistics, and computer programming. It introduced a unique 2-year M.Sc. program in Engineering Mathematics in 2012-13 under UGC Innovative Schemes. The department has five faculty members and three support staff, with expertise spanning Analysis, Optimization, Geometry, Statistical Analysis, Mathematical Biology, and more. Equipped with modern computational facilities, including HPC clusters and advanced software like MATLAB, R, and SPSS, it fosters research and collaborations with academia and industry. The faculty members actively serve on Boards of Studies of other institutions and contribute to national-level training programs. The department organizes events and offers internships, placements, and industrial exposure, focusing on academic and research excellence in applied mathematics and interdisciplinary fields.

## Submission Guidelines

Original research articles are invited for oral presentation in the conference. The selected papers are likely to be published in **Scopus indexed Springer Proceedings**. The detailed update about paper submissions and publication are given in the following website: <https://site.google.com/view/ictcgml>

## Important Dates:

**Registration with Abstract :** 28 Feb. 2025  
**Acceptance of Abstract:** 05 March 2025  
**For Participation only:** 31 March 2025  
**Submission of full-length paper:**  
will be communicated to the participant.

## Scientific Committee

Prof. S. Kumaresan, University of Hyderabad, Retd.  
Prof. Rekha Kulkarni, Professor, IIT Bombay, Retd.  
Prof. Priyavrat Deshpande, CMI, Chennai.  
Prof. Sudhir Kulkarni, IIT Madras.  
Prof. Santanu Dey, IIT Bombay.  
Prof. Krishnendu Gongopadhyay, IISER Mohali.  
Prof. Jyotshana Prajapat, University of Mumbai.  
Dr. R. Srivastava, IIT Bombay.

### Local Organizing Committee

Dr. Ajit Kumar, ICT, Mumbai.  
Dr. G V V Hemasundar, SIWS, Mumbai.  
Dr. Akshay S. Rane, ICT, Mumbai.  
Dr. Amiya Ranjan Bhowmick, ICT, Mumbai  
Dr. Gunvant Birajdar, ICT, Mumbai.  
Dr. Vikram Aithal, ICT, Mumbai.  
Prof. Manali Londhe, Principal, SIWS, Mumbai.  
Prof. Jyotshana V. Prajapat, University of Mumbai  
Dr. Rama Vijaykumar, SIWS, Mumbai.

## Contact Us

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[cgmalict@gmail.com](mailto:cgmalict@gmail.com)



[Conference Webpage](#)

Registration Link: <a href="https://forms.gle/rWQpgUrwV3xmqC4M9">https://forms.gle/rWQpgUrwV3xmqC4M9</a>	
Students (Participation)	Rs. 1000/-
Student (Poster/ Paper) presentation	Rs. 1500/-
Faculty members	Rs. 2000/-
Industrial Participants	Rs. 4000/-
International Participants	USD 100/-



Registration fee includes a conference kit, snacks & lunch during the conference only.

## Accommodation

Limited paid accommodation is available, priority will be given to earlier request.

## Location

<https://maps.app.goo.gl/GzxuPWP6zjCPRzAbA>

## Our Sponsors

