

## Organizing Team

Prof. Seetha N (IIT Hyderabad)

(**Convener**)

Prof. K.B.V.N. Phanindra (IIT Hyderabad)

(**Co-convener**)

Prof. Abhijit Kakati (IIT Guwahati)

Prof. Arghya Das (IIT Kanpur)

Prof. M.S. Mohan Kumar (IISc Bangalore, IIT Madras)

Dr. Priyanka Agrawal (Shell, Bangalore)

## About Civil Engineering Department, IITH

Established in 2008, the Department of Civil Engineering at IIT Hyderabad excels in teaching, research, and consultancy. It focuses on core areas such as Geotechnical, Structural, Transportation Systems, Hydraulics and Water Resources, and Environmental Engineering. The department fosters collaboration with industry and academic institutions, encouraging joint projects and knowledge exchange. Research spans fundamental and applied domains, emphasizing innovative solutions to real-world civil infrastructure challenges. Graduates excel in leading industries, academia, and research organizations globally.

The department offers a B.Tech program in Civil Engineering, two- and three-year M.Tech programs, and self-sponsored two-year M.Tech programs in Environmental, Geotechnical, Hydraulics and Water Resources, Structural, and Transportation Engineering. A Ph.D. program is also available. Faculty with a strength of 27, and graduate students engage in numerous projects funded by national agencies, contributing significantly to civil engineering knowledge and addressing societal challenges.

## Key Dates

**Abstract submission:** 5 May- 31 May 2025

**Abstract acceptance:** 15 June 2025

**Registration Deadline:** 30 June 2025

**Abstract submission link:** [Click here](#)

Category	Registration*
Students/Research Scholars	INR 1500/-
Academicians/Scientists	INR 2,500/-
Industry/Working professionals	INR 5,000/-

*\*Taxes (GST@18%) will be applicable in the above amount*

## Sponsorship

- Platinum Sponsor: INR 1,00,000
- Gold Sponsor: INR 50,000
- Silver Sponsor: INR 25,000

## Contact us

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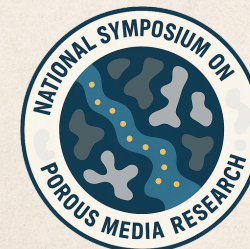
Website: <https://sites.google.com/ce.iith.ac.in/nspmr2025/home>

# National Symposium on Porous Media Research

India InterPore Chapter Meeting

**2 August 2025**

**9 AM -6 PM**



**Information Brochure and Call for Abstracts**



**Organized by**

**Department of Civil Engineering  
Indian Institute of Technology  
Hyderabad**



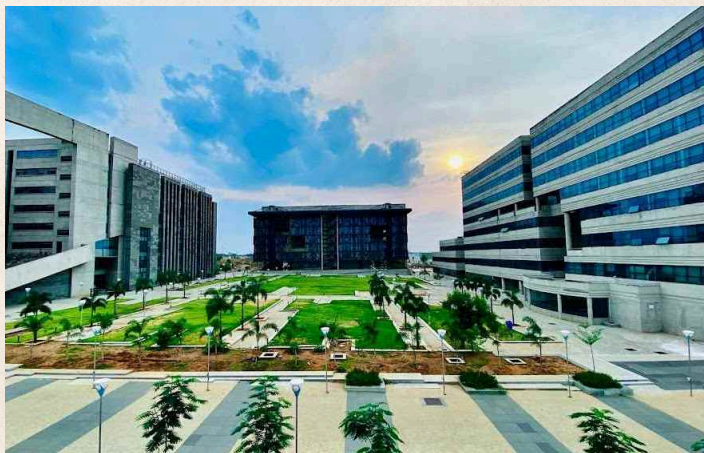
భారతీయ పోరోమీడిక రిసెర్చ్ సొసైటీ  
భారతీయ ప్రొటోపిల్స్ సంస్థానం  
Indian Institute of Technology Hyderabad

**In association with**





## About IIT Hyderabad



Indian Institute of Technology Hyderabad (IITH) is a premier institute of science and technology established in 2008. IITH has been consistently ranked in the top 10 institutes in India for Engineering according to NIRF making it one of the most coveted schools for science and technology in the country. IITH offers undergraduate programs in all the classical engineering disciplines, applied sciences, design, as well as several modern interdisciplinary areas. The very foundation of IIT Hyderabad is based on research and innovation. The vibrant research culture is evident from the number of patents and publications that IITH produces consistently every year. IITH offers graduate programs at both a masters, and a doctoral level, in several diverse areas. There are separate programs for technology, design, science, and liberal arts. IITH has been very successful in building tie-ups with leading academic institutions around the globe. IITH creates a unique holistic ecosystem for education that offers interactive learning, a very flexible academic structure, cutting-edge research, strong industry collaboration, and entrepreneurship. This is an environment which enables students and faculty to translate their dreams into realities.

## About the Symposium

National Symposium on Porous Media Research aims to bring together academicians, researchers, scientists, students, and industrialists across the country working in diverse applications of porous media. It provides a platform to disseminate knowledge, share ideas, and discuss the future directions of porous media research in India.

## About India InterPore Chapter

International Society for Porous Media (InterPore) is a non-profit independent scientific organization which aims to advance and disseminate knowledge for understanding, describing, and modelling natural and industrial porous media systems. InterPore members exchange scientific knowledge and engineering expertise between academia and industry, enabling the development of collaborations, accelerating learning and facilitating innovation. Every year, InterPore organizes the International Conference on Porous Media, which brings together researchers from all areas of porous media science and technology development.

India InterPore Chapter aims to bring together porous media researchers in India through organizing webinars, workshops, and national-level annual meetings. It also aims to facilitate scientific interaction, share knowledge, and contribute to the advancement of porous media research.

The National Symposium on Porous Media Research provides an ideal platform to organize the first annual meeting of the India Interpore Chapter.

## Themes

Abstracts on the following themes/sub-themes related to **porous media** are invited from academicians, researchers, scientists, students, consultants, and others (max 250 words).

### ☑ Water, Energy and Environment

- Flow and transport in subsurface
- Water filtration
- Salt water intrusion in coastal aquifers
- Remediation of contaminated sites
- Managed aquifer recharge
- River bank filtration
- Storage of hazardous wastes in underground tanks
- Surface water-groundwater interaction
- CO<sub>2</sub> sequestration
- Subsurface CO<sub>2</sub> and hydrogen storage
- Enhanced oil recovery
- Multiphase flow in porous media
- Poromechanics

### ☑ Industrial and Biological Porous Media

- Membranes for water and wastewater treatment
- Batteries and Fuel cells
- Semiconductors
- Textiles, paper, air filters, face mask
- Adsorbents, concrete, metal-organic frameworks, ceramics
- Transport in plants
- Microbial dynamics and biofilm formation in porous media
- Biophysics in living porous media
- Mass transport and multiphase flow in living systems, tissue and organ poromechanics
- Drug delivery in the microcirculation (skin, brain, kidney, heart)