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ON

RECENT TRENDS IN TRANSPORT PROCESSES

RTTP - 2024
JUNE 24-26, 2024

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Organised by
Department of Chemical Engineering
in Association with
Indian Institute of Chemical Engineers (IIChE)
Students' Chapter
NIT Hamirpur
Website Link : <http://rttp2024.nith.ac.in/>

RTTP
2024



ABOUT THE CHEMICAL ENGINEERING DEPARTMENT

Department of Chemical Engineering was established in 2013, with a mission to impart high quality engineering education and to mold the students to meet the ever-growing demand of technical manpower in the field of Chemical Engineering. The department offers three programs B.Tech, M.Tech. and Ph.D. The department comprises of several laboratories for the undergraduates and postgraduates catering to the needs of the curriculum. In addition, computational/experimental resources and research laboratories are already in place for the postgraduates and doctoral students. It is worth noting that all members of our esteemed faculty possess high qualifications and exhibit an unwavering dedication to both teaching and research in a wide range of chemical engineering fields, as well as various interdisciplinary areas of engineering.

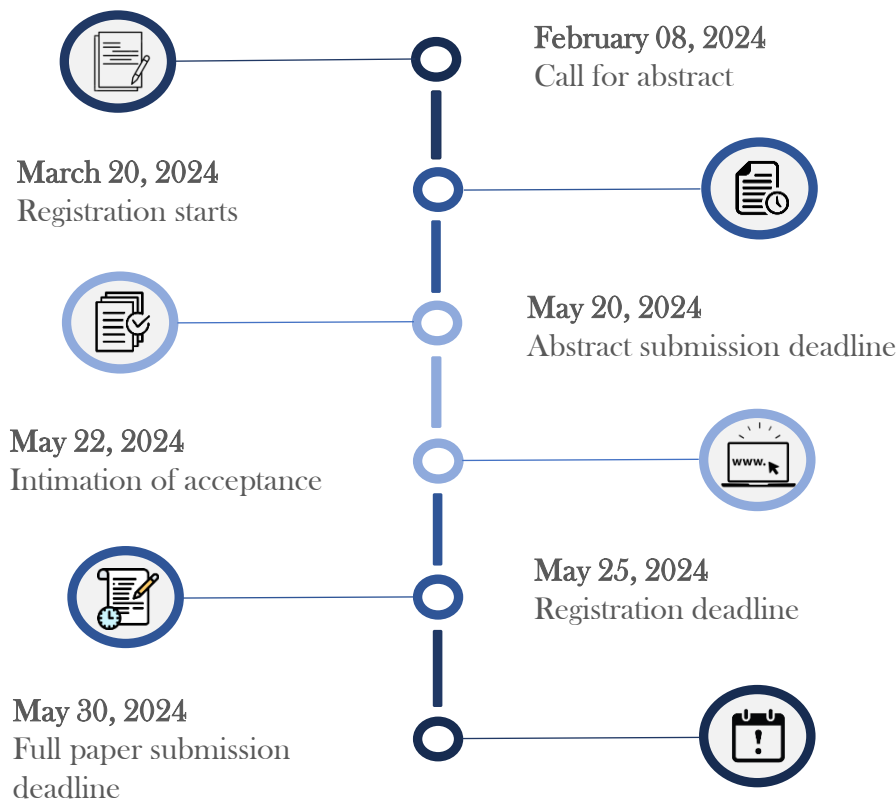
ABOUT THE CONFERENCE

The objective of the conference is to provide a platform for researchers, experts, and professionals to gather and discuss the latest developments, innovations, and trends in the field of transport processes. It will help identify and discuss challenges and problems in the field of transport processes and explore potential solutions through collaborative efforts. It will showcase and promote innovative technologies, tools, and methodologies that can be applied to improve transport processes in various industries. The conference will provide opportunities for participants to foster interdisciplinary collaboration among researchers and practitioners in fields such as engineering, physics, chemistry, environmental science, and more.

MAJOR THEMES

- ❖ Separation Technology
- ❖ Thermodynamics, Chemical Reaction Engineering and Catalysis
- ❖ Multiphase flow
- ❖ Transport processes in biological systems
- ❖ Nanofluid and microfluid
- ❖ Complex fluid flow and heat transfer
- ❖ Renewable Energy
- ❖ Environmental and Industrial Pollution Control
- ❖ Waste Management and Circular Economy
- ❖ Carbon Capture, Storage and Utilization
- ❖ Machine Learning and AI in transport processes
- ❖ Fuel Cells
- ❖ Green Technology
- ❖ Process Control and Instrumentation
- ❖ Process Intensification
- ❖ Molecular Simulation
- ❖ Polymers and Composites
- ❖ Process Modelling, Simulation and Optimization
- ❖ Smart Materials
- ❖ Petroleum Refining & Petrochemical
- ❖ Computational Fluid Dynamics
- ❖ Nanomaterials and Nanocomposites

IMPORTANT DATES



LINKS FOR REGISTRATION

Registration is compulsory for all the delegates. Register via filling out the Google Form using the below-mentioned link

[Click here to Register](#) (After abstract acceptance and fee payment)

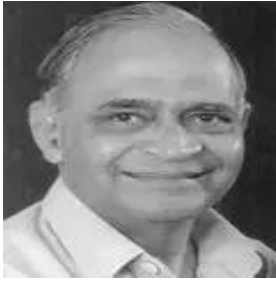
REGISTRATION DETAILS

Registration Guidelines: Open SBI Collect<<https://www.onlinesbi.sbi/sbicollect/>>Under Select Category <Click on Educational Institutions> Filter by state <Himachal Pradesh> Educational Institutions <NIT Hamirpur>Payment Category <Workshop/ STC/FDP/Conference>

Participants	Registration Fee	
	Indian Delegates (INR)	Foreign Delegates (USD)
Academician/ R&D Personnel	5000	200
Industry Personnel	8000	400
Students & Research Scholars	2000	200
Attendee/ Listener	1500	300

CHIEF GUEST

GUEST OF HONOR



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Emeritus Professor of Eminence ICT Mumbai



Prof. Shishir Sinha

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Professor IIT Roorkee

DISTINGUISHED KEYNOTE SPEAKERS



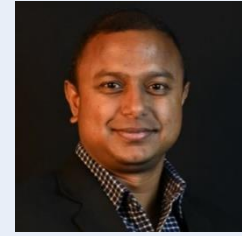
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Professor IIT Kharagpur



Dr. Thallada Bhaskar

Chief Scientist CSIR-IIP



Dr. Venkata Krishnan

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Dr. Prasenjit Mondal

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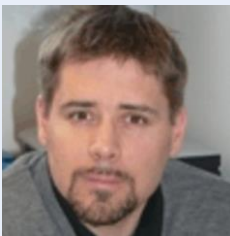
Dr. Vishwajeet Mehandia

Associate Professor IIT Ropar



Dr. Sonal Mazumder

Regulatory Scientist FDA, USA



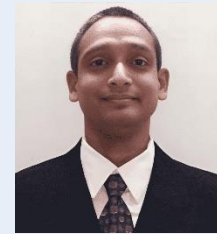
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University of Georgia, USA



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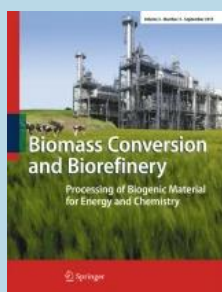
CALL FOR PAPER AND GUIDELINES FOR ABSTRACT/FULL PAPER SUBMISSION

All participants from educational institutions, R&D centers, Government and Industrial Organizations are cordially invited to contribute original research papers/review articles based on the thematic areas of the conference.

Abstract must be within **250-300 words** and of **one page including bibliography**. Abstract can be submitted only through Microsoft CMT portal. Please click following relevant links for more details:

Selected papers will be considered for publication in the following SCI/ Scopus indexed journals/ Book proceedings:

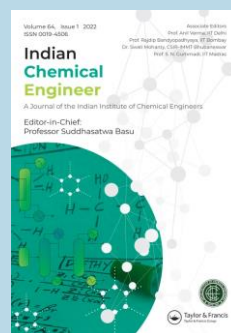
**Biomass Conversion
and Biorefinery (IF 4.0)**



**International Journal of Fluid
Mechanics Research (IF 1.1)**



Indian Chemical Engineer (IF 1.5)



Relevant Links :

[Abstract Submission Form: Click Here](#) [Abstract Template \(PFA\)](#)
[CMT Submission Guidelines](#)

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Category	Amount (INR)
Platinum	100000
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A limited number of in-campus accommodation can be provided on a first-cum-first-serve basis for nominal charges.

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TOURIST ATTRACTIONS

The hilly state in Northern India, Himachal Pradesh is a famous tourist state of India that lies in the lap of the western Himalayas. The state is identified as "Dev Bhumi" and is believed to be the abode of Gods and Goddesses. Nestling in the lap of nature, Himachal is endowed with dreamy valleys, emerald meadows, verdant forests, thickly wooded orchards, expansive pines, gushing rivers, mighty lakes, glaciers and snow-capped mountains. The capital city of Himachal Pradesh is Shimla.



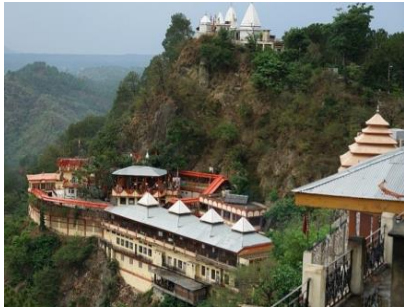
Bajinath Temple



Tea Gardens, Palampur



Govind Sagar Lake, Una



Baba Balak Nath Temple
Hamirpur



Dharamshala



Jwala Ji Temple



Manali



Shimla



Dalhousie



Atal Tunnel