



International Conference on Environmental Science and Engineering (ICESE-2022)- Schedule

Duration		Day 1 (20th January)						
9:00-9:45 am		Conference inauguration ceremony (Includes HOD's speech followed by D. Director's speech)						
9:45-10:45 am		Plenary Talk by Prof. Christopher J. Arnusch on Advanced Carbon Materials as Innovative Technological Solutions for Water Treatment, Air Purification, and Waste Management						
Link for Joining								
Session W1 (Water and Wastewater Treatment Processes) Session Host: Mitil Koli Session Moderator: Ashish Kumar (8954567292), Pramod Kumar (8650905420)			Session A1 (Air Pollution Measurement Indoor and Outdoor) Session Host: Shruti Tripathi Session Moderator: Saumya (8957690266), Anurag (8928551350)			Session S1 Solid Waste Management and Resource Recovery Session Host: Kritika Jashrapuria Session Moderator: Najmul (7002261732), Bhavana Kanwar (9024143047)		
Link for Joining			Link for Joining			Link for Joining		
Duration	Speakers	Title	Duration	Speakers	Title	Duration	Speakers	Title
10:45-11:15 am	Key Note by Prof. S. Mukherji	Potential of DEAE Silica Gel for Concentration of Viruses from Water using Adsorption-Elution Technique	10:45-11:15 am	Key Note by Prof Tarun Gupta	Developing Tools For Aerosol Measurement	10:45-11:15 am	Key Note by Prof. Munish Chandel	Landfill mining: Waste to materials
11:15-11:45 am	Key Note by Prof. Bijay Tripathi	Nanostructured Responsive Membranes for Tunable Filtration and Separation Applications	11:15-11:45 pm	Key Note by Prof. Harish Phuleria	Vehicular in-cabin air pollution exposures and their determinants	11:15-1:15 pm	8 Oral Presentations	
12:00 - 1:30 pm	7 Oral Presentations Presentation Sequence: W16, W17, W26, W55, W51, W46, W33		12:00-1:30 pm	7 Oral Presentations Presentation Sequence: A14, A15, A35, A33, A46, A50, A53, A55			Presentation Sequence: S26, S16, S33, S34, S17, S8, W6, W84	
1:30-2:15 pm	Lunch Break		1:30-2:15 pm	Lunch Break				

Session W2 (Environmental System Modelling and Risk Assessment) Session Host: Akhila M. Nair Session Moderator: Ashish Kumar (8954567292), Pramod Kumar (8650905420)			Session A2 (Atmospheric chemistry 1) Session Host: Sukanya Session Moderator: Shruti Tripathi (7291826163), Anurag (8928551350)		
Link for Joining			Link for Joining		
Duration	Speakers	Title	Duration	Speakers	Title
2:15-3:00 pm	Key Note by Prof. Manoj Kumar Tiwari	Bringing Waste into Circular Economy: Some Emerging Concepts	2:30-3:15 pm	Key Note by Prof. Veronique Riffault	Chemical composition, source apportionment and optical properties of submicron aerosols at the ATOLL platform in Northern France
3:00-3:30 pm	Key Note by Prof. Seetha N	Modeling the co-transport of two different colloids in porous media			
3:45-5:30 pm	7 Oral Presentations Presentation Sequence: W11, W40, W56, W59, W67, S21, W79		3:30-5:30 pm	7 Oral presentations + Sponsor's Presentation Presentation Sequence: A4, A36, A52, A10, A16, A20, A24	
5:30-5:45 pm	Tea Break		5:30-5:45 pm	Tea Break	

Session W3 (Environmental Nanotechnology) Session Host: Nandini Dixit Session Moderator: Najmul (7002261732), Bhavana Kanwar (9024143047)			Session A3 (Atmospheric chemistry 2) Session Host: Debayan/kaustabh Session Moderator: Shruti Tripathi (7291826163), Deepakshi (9953121994)		
Link for Joining			Link for Joining		
Duration	Speakers	Title	Duration	Speakers	Title
5:45-6:30 pm	Key Note by Prof. Roni Kasher	Surface grafting with diverse charged monomers for mitigating calcium phosphate scaling on reverse osmosis membranes during municipal wastewater desalination	5:45-6:30 pm	Key Note by Dr. Barbara Ervens	The importance of chemical and microphysical droplet properties for oxidant levels and oxidation rates in clouds
6:30-7:00 pm	Key Note by Prof. Tabish Nawaz	Silver removal and recovery from laundry wash water	6:30-7:00 pm	Key Note by Prof. Manoranjan Sahu	Machine Learning (ML) Application in Air Quality Monitoring and Modelling
7:15-8:30 pm	7 Oral Presentations Presentation Sequence: W8, W53, W49, W48, W69, W71, W74		7:15-8:30 pm	7 Oral presentations + Sponsor's Presentation Presentation Sequence: A29, A17, A7, A40, A45, A6, A11	

Day 2 (21st January)

9:30-10:30 am	Plenary Talk by Prof. S.N. Tripathi on Advanced monitoring technologies and capacity building to support National Clean Air Program
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[Link for Joining](#)

<p>Session W4 (Environmental Microbiology and Biological Treatment Techniques)</p> <p>Session Host: Rashmi Ranjan</p> <p>Session Moderator: Ashish Kumar (8954567292), Najmul (7002261732)</p>	<p>Session A4 (Air Pollution and Climate Change)</p> <p>Session Host: Deepakshi Babbar</p> <p>Session Moderator: Shruti Tripathi (7291826163), Ujjwal (9950877443)</p>	<p>Session on "Future of Coal Research in India"</p> <p>Session Host: Prof. Ajay Deshpande and Prof. Virendra Sethi</p> <p>Session Moderator: Shruti (7291826163), Debayan (7579252680)</p>
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[Link for Joining](#)

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Duration	Speakers	Title	Duration	Speakers	Title	Duration	Title of the talk and activity
10:15-11:00 am	Key Note by Prof. Shihabudheen M. M.	Nanotechnology enabled water disinfection	10:30-11:15 am	Key Note by Prof Sarvesh Kumar Dubey	Climate model development efforts at CAS, IIT Delhi	02:15 to 5:45 pm	Schedule at the end of the file
11:00-11:30 am	Key Note by Prof. V. S. Vamsi						
11:45-1:30 pm	7 Oral presentations + Sponsor's Presentation Presentation Sequence: W28, W31, W44, W47, W68, W76, W77		11:30-1:30 pm	7 Oral presentations + Sponsor's Presentation Presentation Sequence: A2, A5, A9, A19, A21, A47, A49			
1:30-2:15 pm	Lunch Break		1:30-2:15 pm	Lunch Break			

Session W5 (Water Pollution and Emerging Contaminants) Session Host: Nandini Dixit Session Moderator: Ashish Kumar (8954567292), Najmul (7002261732)			Session A5 (Modelling of air quality and atmospheric processes) Session Host: Saumya Aggrawal (8957690266), Session Moderator: Debayan/Shruti (7579252680), Ujjwal (9950877443)		
Link for Joining			Link for Joining		
Duration	Speakers	Title	Duration	Speakers	Title
2:15-3:00 pm	Key Note by Prof. Alok Sinha	Synergistic Effect of Modified Montmorillonite-Iron Nanocomposite on the Removal of Triazo Dye	2:15-3:00 pm	Key Note by Prof. Chandra	Air pollution in India: Building evidence on the influences of emission sources, climate feedback and population impacts
3:00-3:30 pm	Key Note by Prof. Ambika S	Sunlight-Responsive Photocatalyst Membrane for the Treatment of Emerging Contaminants.	3:00-3:30 pm	Key Note by Prof Srinidhi Balasubramanian	The food we eat, the air we breathe - implications for air quality and climate change
3:45-5:30 pm	8 Oral Presentations Presentation Sequence: W7, W9, W12, W30, W32, W62, W72, W85		3:45-5:30 pm	8 Oral presentations + Sponsor's Presentation Presentation Sequence: A12, A13, A18, A22, A41, A42, A43, A57	

Day 3 (22nd January)	
Session Host: Mitil Koli Session Moderator: Ashish Kumar (8954567292), Najmul (7002261732), Shruti (7291826163), Debayan (7579252680)	
Duration	Link for Joining
9:30-11:00 am	Poster session (PS) 1 Presentation Sequence: W13, W18, W21, W24, W42, W45, W63, W64, W75, S7, S14, S18, S25, S27, S35, S9, S29, S30, W78, W83, W80, W1, W5, W22, W23, W27, W39, W52, W43, W35, W36, W60, W70
11:00-12:30 pm	Poster session (PS) 2 Presentation Sequence: W2, W4, W10, W15, W19, W37, W54, S28, S37, W73, W81, W20, W25, W41, W34, W65, W66, W3, W14, W38, W50, W57, W58, S11, W61, W29, S5, S19, S12, S24, S38, S39, S13, S31, S20, S36
12:45- 1:30 pm	Poster session (PS) 3 Presentation Sequence: S4, S15, S32, A26, A34, A39, A32, A44, A56, A3, A25, A27, A1, A8, A23, A48, A51, A54, S23, A37
3:00-3:40 pm	Plenary Talk by Prof. A. B. Gupta on Taking observations to technology development through a scientific approach for evolving policy for society centric solutions
3:45-4:30 pm	Award and closure ceremony by Prof. S. Karmakar; Prof. Virendra Sethi; Prof. Abhishek Chakraborty; and Prof. S. P. Singh

Session on "Future of Coal Research in India"
Session Host: Prof. Ajay Deshpande and Prof. Virendra Sethi
Session Moderator: Shruti (7291826163), Debayan (7579252680)

[Link for Joining](#)

Duration	Speakers	Title
02:15 to 2:30pm	DST + IITB	Welcome + Context
Talks Providing OVERVIEW of the Research Activities under DST		
2:30 to 2:50pm + 5 minutes Q&A	Professor A.V. Krishnan	Transition Plan for Thermal Power Plants in India by 2040
2:55 to 3:15pm + 5 minutes Q&A	Professor Pradip Dutta and Professor Satyam Suwas	Overview of Research Activities in National Centre for Clean Coal R&D
3:20 to 3:40pm + 5 minutes Q&A	Dr. D. Srinivasa Rao, and Dr. G.Siva Kumar	Materials and coatings for improved performance and life of thermal power plant components
3:45 to 4:05pm + 5 minutes Q&A	Professor R. R. Sonde	Imperatives for hydrogen from India's high ash coal with CO2 capture compliant designs: Pathways to push brown hydrogen first and then blue hydrogen
Panel Discussion		
4:25 to 5:30 pm	Chairperson	Dr. B. P. Rao, Former CMD, BHEL
	Member	Dr. Prakash Hirani, Ex-General Manager, NETRA-NTPC
	Member	Mr. Peeyush Kumar, Director, Ministry of Coal
	Member	Mr. A. K. Saxena, Senior Director, Electricity & Fuels Division, TERI
	Member	Dr. P.M. Thyagaraju, Dy. Advisor(S&T), NITI Aayog
	Member	Mr. Milan Sen, Chief Manager (Mining/S&T), CMPDIL
Future Work & Closure		
5:30 to 5:40 pm	DST+IITB	Roadmap for Future Research
5:40 to 5:45pm	DST+IITB	Vote of Thanks and Close

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