



Celebrating Ganga Utsav 2025
4th International Conference
on
River Health: Assessment to Restoration
(RHAR 2025)

GNAMAMI
GANGE



October 30 – November 01, 2025

Venue: Indian Institute of Technology (BHU), Varanasi, Uttar Pradesh

Theme: “Restoration of Small Rivers: Application of Advanced Tools and Technologies, with Convergence of Policies and Programs”

FLOW OF EVENTS

08:30 - 09:30	Registration	
Inaugural Session (09:30 – 11:00)		
Venue: Main Auditorium, Swatantrata Bhavan, BHU		
09:30 - 9:40	Opening ceremony (Kulgeet and Deep Prajwalan)	
09:40 - 09:45	Opening remarks by Convener	Prof Prabhat Kumar Singh
09:45 – 9:55	Welcome by Director, IIT(BHU)	Prof Amit Patra
09:55 – 10:05	Special remarks by Invited Guest	Prof Herve Piegay, Research Director, ENS-CNRS, France
10:05 - 10:20	Special remarks by Guest of Honour	Padma Bhushan Dr. Anil Prakash Joshi, Founder HESCO
10:20 - 10:35	Special remarks by Guest of Honour	Shri Rajeev Kumar Mital, Director General, NMCG
10:35 - 10:55	Address by Chief Guest	Shri Swatantra Dev Singh, Hon'ble Minister of Jal Shakti, U.P.
10:55 – 11:00	Vote of Thanks	Prof. S Mandal Head, Dept of Civil Engineering
11:00 – 11:30	High-Tea	



जल शक्ति मंत्रालय
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EMBASSY
OF DENMARK
New Delhi



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Day 1 – 30.10.2025 (Thursday) (11:30 – 13:15)

Thought Leader Session

Session Chair: Shri Nalin Kumar Srivastava; Co-Chair: Prof. Prabhat Kumar Singh

Venue: Senate Hall, Swatantrata Bhavan, BHU

11:30 - 11:35	Session Introduction by Prof. Prabhat Kumar Singh	Convener, RHAR 2025
11:35 - 11:50	Opening remarks by Chair, Sh. Nalin Kumar Srivastava	Deputy Director General, NMCG
11:50 - 12:05	Special remarks by Sh. Rajiv Ranjan Mishra (Online)	Chief Technical Advisor, NIUA & Ex-DG, NMCG
12:05 – 12:15	Special remarks by Mr. Dheeraj Joshi	Director (Urban), NMCG
12:15 – 12:25	Special remarks by Mr. Casper Thorin Mayland	Environment Counsellor, Embassy of Denmark
12:25 - 12:35	Special remarks by Dr. Rajeev Jaiswal	Scientist G & OSD, ISRO/DOS
12:35 - 13:45	Special remarks by Prof. Herve Piegay	ENS-CNRS, France
12:45 - 12:55	Special remarks by Shri S. G. Bhartariya	Regional Director, CGWB
12:55 – 13:05	Special remarks by Prof. Vinod Tare	Former Professor, Founder and Advisor, cGanga, IIT Kanpur

13:05 – 14:00

Lunch



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Day 1 – 30.10.2025 (Thursday)

Ganga Utsav with Students (09:00 AM – 1:00PM)

Venue: Main Auditorium, Swatantrata Bhavan, BHU

For school and undergraduate students

- **Photo exhibition**
 - **Poster Making**
 - **Oral Presentation on Innovation**
 - **Model Exhibition**
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- **Quiz Competition by Student wing, SLCR**
 - **Case Study Competition by Civil Engineering Society, IIT (BHU)**

Technical Session 1 (14:00 – 15:20)

Venue: Senate Hall, Swatantrata Bhavan, BHU

Theme 1: Application of Advanced Technologies for Wastewater Treatment & Management

Session Chair – Mr. Dheeraj Joshi, Director, NMCG

Session Co-chair – Dr. Anshuman Satpathy, IIT BHU

14:00 – 14:05: Opening remarks by Chair

14:05 – 14:20: Keynote Speaker: Ms. Astrid Høegh Jensen, Sector Counsellor, Royal Danish Embassy.

“From Wastewater to Resource - Denmark’s Holistic Approach to Sustainable Water Management”

Paper Presentation:

1. **14:20 – 14:35: Dr. Vinay Kumar, National Institute of Hydrology, Roorkee**
“DHS System as a Sustainable and Low-Energy Alternative for Efficient Black Water and Sewage Treatment” [5140]
2. **14:35 – 14:50: Mr. Rahul Deharkar, Pandit Deendayal Energy University, Gujarat**
“Techno-economic Viability of a Decentralized Medium Scale Multi-effect Distillation System for Treatment of Industrial Wastewater Discharge to Rivers” [4280]
3. **14:50 – 15:05: Mr. Prasanta Kumar Sahoo, National Institute of Hydrology, Roorkee**
“Design of Renewable Biocarbon for the Efficient Removal of Uranium Ions from Aqueous Solutions Using Batch and Membrane Filtration Methods” [1920]

15:05 -15:20: Q&A and Closing Remark by Co-Chair

Bio – Break (15:20 – 15:30)

Panel Discussion 15:30 – 16:30)

Theme: Holistic River Rejuvenation Plan including River Centric Wastewater Treatment and Reuses

Moderators: Prof. R S Verma, Director, MNNIT Allahabad

Prof. Prabhat K Singh, IIT(BHU)

Special talk: Prof. Rakesh Govind, University of Cincinnati

Panelists:

1. Dr. Anjana Pant, GIZ, New Delhi
2. Ms. Saiba Gupta, Council on Energy, Environment and Water (CEEW)
3. Mr Subrata Chakraborty, CSE, New Delhi

Venue: Senate Hall, Swatantrata Bhavan, BHU

Technical Session 2 (16:30 – 18:00)

Venue: Senate Hall, Swatantrata Bhavan, BHU

Theme 2: Application of Advance Tool and Techniques for Data Collection & Monitoring

Session Chair - Mr. Brijendra Swaroop, ED (Projects), NMCG

Session Co-chair – Prof. Anurag Ohri, IIT(BHU)

16:30 – 16:35: Opening remark by Chair

16:35 – 16:55: Keynote Speaker: Shri Bharat Kumar, NRSC, Hyderabad

“Application of Remote Sensing in the River Rejuvenation Plans”

Paper Presentation:

1. **16:55 – 17:10: Dr. M K Sharma**, National Institute of Hydrology Roorkee

“Assessment of River Water Quality using System Characteristics” [8357]

2. **17:10 – 17:25: Mr. Shrinivas B Joshi**, Associate Director, Waters India Pvt. Ltd.

“Monitoring Emerging Contaminants in Small Rivers and Challenges for their Remediation”

3. **17:25 – 17:40: Ms. Elina Domscheit**, UiT Norway

“Designation of Drinking Water Protection Areas in Germany” [8866]

17:40 -18:00: Q&A and Closing remark by Co-Chair

Special Talk: 18:00 – 18:30 (Senate Hall, Swatantrata Bhavan, BHU)

Dr. Munawar, Editor in Chief, Journal of Aquatic Ecosystem Health and Management Society (AEHMS)

Publication Partner of RHAR

End of Day 1

Day 2 – 31.10.2025 (Friday) (09:30 – 11:30)

River Experts Session

Session Chair: Prof. C.P. Ojha, Co-Chair: Prof. Prabhat Kumar Singh

Theme: Case Studies of River Health Restoration: Strategies and Success Stories

Venue: Senate Hall, Swatantrata Bhavan, BHU

09:30 - 09:45	Expert Lecture on River Kali, Uttar Pradesh	Prof. C.S.P. Ojha, IIT Roorkee
09:45 - 10:00	Expert Lecture on River Assi, Uttar Pradesh	Prof. Prabhat Kumar Singh, IIT (BHU) Varanasi
10:00 – 10:15	Expert Lecture on River Hindon, Uttar Pradesh	Prof. Vinod Tare, IIT Kanpur
10:15 – 10:30	Expert Lecture on River Sariyaar, Uttar Pradesh	Prof. Venkatesh Dutta, BBAU, Lucknow
10:30 – 10:45	Expert Lecture on River Nag, Maharashtra	Dr. Rajesh Biniwale, NEERI, Nagpur
10:45 – 11:00	Expert Lecture on River Varuna, Uttar Pradesh	Dr. Shishir Gaur, IIT (BHU) Varanasi
11:00 – 11:15	Expert Lecture on River Ahar, Rajasthan	Dr. Anil Mehta, AIWC, Rajasthan
11:15 – 11:30	Expert Lecture on South Asian Rivers	Dr. Vilakshana Parmar, Team Lead, Climate Adaptation, Water, Ramboll, New Delhi

Day 2: 31.10.2025 (Friday) (10:30 – 16:30)	
An Expert Meeting cum Workshop Session	
On “Next-Generation Technologies for Water Safety and River Restoration”	
Venue: Seminar Hall, Department of Civil Engineering, IIT(BHU)	
10:30 – 10:45	Garlanding of Mahamana Statue followed by lighting-of-the-lamp ceremony
10:45 – 11:00	Inaugural address and introductory remarks by Prof. Rajnish Kaur Calay, UiT, Norway
11:00 – 11:25	Dr Ram Avatar, Hokkaido University, Japan - Integrating Remote Sensing and Machine Learning for Dynamic Monitoring of River Systems
TEA BREAK (11:25 – 11:35)	
11:35 – 12:00	Prof Sanket Goel, BITS Pilani - Portable Platform to Measure Water Quality Indicators: A Cyber Physical System Approach
12:00 – 12:25	Dr Fasil Eregno, UiT, Norway - Source Separation and Resource Recovery from On-Site Wastewater Treatment Systems: Risk Assessment and Management Tools.
LUNCH BREAK (12:25 – 14:30)	
14:30 – 14:45	
(Demonstration of microdevices by researchers of BITS Pilani)	
14:45 – 15:00	Mr. Santosh Kumar Pandey (HU) - Assessment of Riverbank Erosion and Soil Erosion Risk in the Upper Ghaghara Basin
15:00 – 16:00	Pannel Discussion on the “MFC Research and Innovation”
16:00 – 16:30	Felicitation of guests and Vote of Thanks with Group photograph

Day 2: 31.10.2025 (Friday)

Parallel Technical Session 1 (11:30 – 13:00)

Venue: Senate Hall, Swatantrata Bhavan, BHU

Theme 3: Holistic Approaches for Small River Rejuvenation

Session Chair – Prof. Herve Piegay, ENS-CNRS, France

Session Co-chair – Prof. Rajiv Sinha, IIT Kanpur

11:30 – 11:35: Opening Remark by Chair

11:35 – 11:55: Keynote Speaker: Prof. Rajiv Sinha, IIT Kanpur

“Restoration of Rivers Impacted by Sand Mining: Technological Innovations to Policy Interventions”

11:55 – 12:10: Keynote Speaker: Prof. Venkatesh Dutta, BBAU, Lucknow

“Restoration of Smaller Rivers in the Ganga Basin: A Strategic Approach” [7827]

Paper Presentation:

- 1. 12:10 – 12:20: Dr. Kolambas Verma, DDU Gorakhpur University, Gorakhpur**
“From Science to Action: The Persistent Failure to Restore India’s Small Rivers” [2490]
- 2. 12:20 – 12:30: Mr. Sanjay Singh, Parmarth India**
“Small River Rejuvenation – Parmarth Model” [2930]
- 3. 12:30 – 12:40: Ms. Tripti Yadav, Indian Institute of Technology (BHU) Varanasi.**
“Hydrological Assessment of Environmental Flows in the Varuna River Using Various Hydrological Methods: A Foundation for Adaptive Ecohydrological Management” [4596]
- 4. 12:40 – 12:50: Dr. Ashwani Kumar Agnihotri, Shaheed Bhagat Singh College, Univ. of Delhi**
“Revival of Neelam River: Geoinformatics-Driven Mapping of Barriers to Restore Hydrological Connectivity” [9780]

12:50 – 13:00: Q&A and Closing remark by Co-Chair

Parallel Technical Session 2 (11:30 – 13:00)

Venue: Conference Hall, Swatantrata Bhavan, BHU

Theme 4: Groundwater Management for Small River Rejuvenation

Session Chair – Mr. Anup Kumar Srivastava, ED(Technical)

Session Co-chair – Dr. V.K. Upadhyay, Advisor, CGWB

11:30 – 11:35: Opening remark by Chair

11:35 – 12:00: Keynote Speaker: Prof. Jesper Aarhus, University of Denmark

“Application of TEM in Groundwater Resource Management”

Paper Presentation:

- 1. 12:00 – 12:12: Prof. Vikrant Jain, Indian Institute of Technology, Gandhinagar**
“Groundwater- surface water (dis)connectivity in dryland rivers of Gujarat and its impacts” [4589]
- 2. 12:12 – 12:24: Dr. Akash Tiwari, Indian Institute of Technology (BHU) Varanasi**
“Unravelling the seasonal groundwater quality dynamics and associated health risks in Gurugram district of Haryana, India: A GIS and Machine Learning Approach” [1458]
- 3. 12:24 – 12:36: Dr. Dev Sen Gupta, Banaras Hindu University, Varanasi**
“Isotopic Fingerprinting of Water Dynamics in a Complex Lithological Terrain in parts of Central India” [5535]

12:36 – 13:00: Q&A and Closing remark by Co-Chair

Lunch Break (13:00 – 14:00)

Parallel Sessions (14:00 – 15:30)

Parallel Technical Session 1 (14:00 – 15:40)

Venue: Senate Hall, Swatantrata Bhavan, BHU

Theme 5: Sustainable Solutions for Wastewater Treatment

Session Chair – Mr. Rahul Dwivedi, Director (Projects), NMCG

Session Co-chair – Prof. Sanjukta Patra, IIT Madras

14:00 – 14:05: Opening remark by Chair

14:05 – 14:25: Keynote Speaker: Dr. Shiv Pratap Raghuvanshi, Scientist D, NMCG.

14:25 – 14:45: Keynote Speaker: Dr. Girija K. Bharat, Managing Director, Mu Gamma Consultants Pvt. Ltd.

“Assessment of Persistent Organic Pollutants (POPs) in Rivers Tapi and Damam Ganga, India”

Paper Presentation:

- 1. 14:45 – 14:57: Dr. Pavar Saikumar, BITS Pilani (Hyderabad Campus)**
“Point of Source Testing Chemiluminometer for Food Safety and Water Monitoring” [2098]
- 2. 14:57 – 15:09: Dr. Sanju R. Phulpagar, P.E.S. College of Engineering, Sambhajinagar**
“Bioremediation of Industrial Wastewater Using Indigenous Macrobacteria Cultivated via Sequencing Batch Biofilm Reactor (SBBR): A Case Study of Treatment Efficiency on Key Physicochemical Parameters” [6430]
- 3. 15:09 – 15:21: Mr. Jaykumar R. Gaikwad, P.E.S. College of Engineering, Sambhajinagar**
“A Case Study of Treatment Efficiency on Key Physicochemical Parameters: Bioremediation of Industrial Wastewater Using Indigenous Macrobacteria Cultivated via Sequencing Batch Biofilm Reactor” [7415]
- 4. 15:21 – 15:33: Dr. Hema Patel, SLCR, IIT (BHU) Varanasi**
“Nature Based Solutions for Wastewater Treatment and Climate Resilience – Towards Achieving Small Rivers Rejuvenation” [8228]

15:33 – 15:40: Q&A and Closing remark by Co-Chair

Parallel Technical Session 2 (14:00 – 15:30)

Venue: Conference Hall, Swatantrata Bhavan, BHU

Theme 6: Water Quality Tools and Early Warning System for River Monitoring

Session Chair - Prof. Vikrant Jain, IIT Gandhinagar

Session Co-chair – Dr. S. K. Sharma, Meerut Institute of Technology

14:00 – 14:05: Opening Remark by Chair

14:05 – 14:30: Keynote Speaker: Prof. Mohammad Jawed, IIT Guwahati

“Challenges in Organic Carbon Removals from Sewage” [7151]

Paper Presentation:

- 1. 14:30 – 14:42: Mr. Dipankar Deka, Assam Engineering College, Guwahati**
“Multi Criteria Analysis for Flood Vulnerability Identifications Across Kulsi River Basin of Northeast India” [6974]
- 2. 14:42 – 14:54: Dr. Hemant Raheja, Indian Institute of Technology Roorkee**
“Modeling of river water quality and pollution discharge scenario during Maha Kumbh 2025” [3724]
- 3. 14:54 – 15:06: Mr. Suryansh Mandloi, National Institute of Hydrology Roorkee**
“Sentinel-Based Multi-Index Monitoring of Urban Lakes for Sustainable Water Management” [2336]

4. **15:06 – 15:18: Arjit Mishra, WWF-India, New Delhi**
“Multi-stakeholder led Collective Action for Tributary rejuvenation- For a Healthy Ganga”

15:18– 15:30: Q&A and Closing Remark by Co-Chair

Bio Break

Special Session

City Level Action Plan for Safe Reuse of Treated Water by Dr. Sumita Singhal (CSE, New Delhi)
(15:45 – 16:45)

Venue: Senate Hall

End of Day 2

Day 3: 01.11.2025 (Saturday)

Parallel Sessions (09:30 – 11:15)

Parallel Technical Session 1 (09:30 – 11:15)

Venue: Conference Hall, Swatantrata Bhavan, BHU

Theme 7: Decision Support System and Models

Session Chair – Prof. Rajiv Sinha, IIT Kanpur

Session Co-Chair – Dr. M K Sharma, NIH

9:30 – 9:35: Opening Remark by Chair

09:35 – 09:55: Keynote Speaker: Prof. Basant Maheshwari, Director AIWC, Western Sydney University, Australia.

“Reconnecting Groundwater, Streams, and Communities: A Transdisciplinary Pathway to Healthy River Systems” [2278]

09:55 – 10:10: Keynote Speaker: Dr. Nikhil Bugalia, IIT Madras

“System Dynamics Approach in River Rejuvenation”

Paper Presentation:

- 1. 10:10 – 10:22: Mr. Om Patel, Pandit Deendayal Energy University, Gujarat**
“GIS-Based Site Identification for Wind Energy Along the Narmada River for Sustainable Water Treatment” [4061]
- 2. 10:22 – 10:34: Mr. Leo Helling, Society (EVS) laboratory - ENS de Lyon, France**
“Enabling network-scale analysis of riverscapes to inform management and research” [5735]
- 3. 10:34 – 10:46: Ms. Tamanna Khetrpal, Vivekananda Institute of Professional Studies (VIPS)**
“Towards Decision-Support Systems for River Restoration: An AI-Driven Integration of Waste Classification and Water Quality Assessment” [5755]
- 4. 10:46 – 10:58: Mr. Dheeraj Joshi, Director (Urban) NMCG**
“Decision Support System for Water Resource Management” [1971]

10:58 – 11:15: Q&A and Closing Remark by Co-Chair

Parallel Technical Session 2 (09:30 – 11:00)

Venue: Senate Hall, Swatantrata Bhavan, BHU

Theme 8: Contemporary Research Domains

Session Chair – Prof. Vinod Tare, Former Professor, Founder and Advisor, cGanga, IIT Kanpur

Session Co-chair – Dr. Anshuman Satpathy, IIT (BHU)

9:30 – 9:35: Opening Remark by Chair

09:35 – 09:55: Keynote Speaker: Dr. Shreyansh Jain, IIT (BHU)

Paper Presentation:

1. **09:55 – 10:07: Mr. Jirata Shiferaw Abosse**, Addis Ababa University, Bishoftu, Ethiopia
“Assessing the Impact of Water Pollution on Cattle in the Akaki River Catchment, Central Ethiopia: Implications for One Health” [4621]
2. **10:07 – 10:19: Dr. Dipankar Ghosh**, JIS University, Kolkata, West Bengal
“Algal Bioremediation of E-Waste-Derived Heavy Metals: A Sustainable Futuristic Approach to Hooghly River Restoration” [4216]
3. **10:19 – 10:31: Er. Nipjyoti Boruah**, Assam Engineering College, Guwahati
“Evaluating the Disang River Health at Sibsagar, Assam, India” [4728]
4. **10:31 – 10:43: Mr. Jai Dutt Sharma**, Rite Water Solutions India Pvt. Ltd.
“Carbon-Negative Ozone-Based AOP for Inline Drain Wastewater Treatment at per latest NGT/MoEF Compliance”

10:43 – 11:00: Q&A and Closing Remark by Co-Chair

Bio – Break (11:00 – 11:30)

Parallel Technical Session 1 (11:30 – 13:00)

Venue: Senate Hall, Swatantrata Bhavan, BHU

Theme 9: Documentation and Convergence of Policy, Programs, Community Participation & Capacity Building

Session Chair – Mr. Ashok Kumar Singh, Engineer in Chief Dept of Irrigation. U.P.

Session Co-Chair – Prof. Prabhat Kumar Singh, IIT(BHU)

11:30 – 11:35: Opening Remark by Chair

11:35 – 12:00: Keynote Speaker - Ms. Prajnya Nayak, Regional Manager, South Asia Region, Alluvium Group, Australia

“Capacity Building: The Link Between Technical Expertise and Project Outcomes”

Paper Presentation:

1. **12:00 – 12:12: Dr. Radhika Modi**, School of Planning and Architecture, New Delhi
“Integrating Climate Risk Assessment into Integrated River Basin Management for Water Body Rejuvenation: A Framework for the Yamuna River, Delhi” [1564]
2. **12:12 – 12:24: Dr. Sudeshna Mitra**, School of Planning and Architecture, New Delhi
“Assessment of Interactive Variables for Sustainable River City Planning: A Case of Guwahati Metropolitan Region” [2562]
3. **12:24 – 12:36: Dr. Rana Rohit**, University of Calcutta, Kolkata
“Impact of Resource Conserving Technology on Irrigation Society in Punjab and Haryana” [4975]

12:36 – 13:00: Q&A and Closing Remark by Co-Chair

Parallel Technical Session 2 (11:30 – 13:00)

Venue: Conference Hall, Swatantrata Bhavan, BHU

Theme 10: Contemporary Research Domains

Session Chair – Prof. Mohammed Jawed, IIT Guwahati

Session Co-Chair – Dr. Rajesh Biniwale, NEERI, Nagpur

11:30 – 11:35: Opening Remark by Chair

11:35 – 12:00: Keynote Speaker: Dr. Kumar Gaurav, IISER Bhopal.

“Habitat Suitability Modelling of the Ganga River”

Paper Presentation:

1. 12:00 – 12:12: Dr. Ashish Sengar, IIT Delhi, India

“Non-Target Screening of Contaminants of Emerging Concern (CECs) along the River Yamuna in the New Delhi Region” [8522]

2. 12:12 – 12:24: Dr. Anand Kumar, Banaras Hindu University, Varanasi

“Assessing River Habitat in an Intermittent River Basin: Insights from the Jirgo Basin, Central India” [7702]

3. 12:24 – 12:36: Ms. Maanashi Tripathi, Indian Institute of Technology Madras

“Integrated Bioremediation of Algal Biomass and Toxins via Immobilised Native Bacterial Consortia” [8015]

4. 12:36 – 12:48: Dr. Ganga Raju Vemula, Nottingham Trent University, United Kingdom

“Predictive Analysis of Water Supply and Demand in Beijing Using GM (1,1) Model: An Evaluation and Intervention Plan” [2483]

12:48– 13:00: Q&A and Closing Remark by Co-Chair

Lunch Break (13:00 – 14:00)

Valedictory Function (15:30 – 16:00)

Poster Sessions

Day 1 – Day 3 (30.10.2025 – 01.11.2025)

**All presenters are required to display their respective posters by 10:30 AM on the first day of the conference (October 30, 2025), and the posters must remain in place until the conclusion of the conference on November 01, 2025.*

Poster Session 1: Assessment and Restoration of River Water Quality

- P1. Sudhanshu Kumar Mishra**, Department of Botany, Banaras Hindu University, Varanasi, India
“Bio-Enzymes Treatment for Water Quality Improvement: A Case Study from the River Assi and Pond in Varanasi” [0294]
- P2. Jonaki Saha**, JIS University, Kolkata, India
“Nature Based Solutions for Bioremediation of Riverine Water or Wastewater” [2034]
- P3. Shatrupa Singh**, Delhi Technological University, Delhi, India
“Microbial EPS-Mediated Bioflocculation of Battery Waste Metals for Cleaner Water Systems” [3063]
- P4. Priyanka Kumari**, Department of Biosciences, JIS University Kolkata, India
“Bacterial Approaches to Reduce the Heavy Metal Loads in Hooghly River”. [3289]
- P5. Kanchan Yadav**, Delhi Technological University, Delhi, India
“Cleaner Rivers: Biocatalytic Methods for Eliminating Microplastics” [3460]
- P6. Shankur Dey**, Department of Biosciences, JIS University, Kolkata, India
“Bacteriophage Specific Bioremediation of Microbial Contaminants in Hooghly River” [5235]
- P7. Anistha**, Delhi Technological University, Delhi, India
“Real-Time Monitoring and Computational Insights into Biochar-Based Wastewater Treatment” [9933]
- P8. Sajith P.M.**, BITS Pilani Hyderabad Campus, Hyderabad, India
“Integrated Continuous-Flow Flexible Photocatalytic Fuel Cell for On-Site Water Purification and Energy Harvesting” [5976]
- P9. Raju Penupothula**, UiT, The Arctic University of Norway
“Water Quality Indices and their Impact on a Flowing Water Body” [8949]

All posters listed in “Poster Session 1” (P1 – P9) will be evaluated between 16:30 and 17:30 on Day 1 (30.10.2025) of the conference. Therefore, all presenters are advised to remain at their respective posters during this period for evaluation and discussion.

Poster Session 2: Hydrological Assessment and Restoration in the context of Rivers

P10. Apeksha Bisht, Doon University

“Identification of Potential Groundwater Recharge Zones using Analytical Hierarchy Approach in Dehradun City, Uttarakhand” [3316]

P11. Anjali Yadav, Institute of Agricultural Sciences, India

“Assessment of Runoff Potential using Remote Sensing and GIS” [3882]

P12. Vishwajeet Sonkar, Punjab Engineering College, India

“Towards Restoration of the Ghaggar River Assessment of Pollution Sources, Ecological Impacts, and Policy Frameworks for Sustainable Rejuvenation” [0942]

P13. Ashwin Chitravanshi, Department of Civil Engineering, IIT (BHU) Varanasi, Varanasi, India

“Performing Evaluation of SWAT and SWAT-CUP for Modelling, Calibration and Validation of Streamflow of the Varuna River Basin, Uttar Pradesh” [8448]

P14. Shalini Singh, IIT Gandhinagar, India

“A Quantitative Framework to Analyse Anthropogenic Impacts on the Himalayan River Morphodynamics, the Yamuna River System, India” [7349]

P15. Manisha Kumari, Department of Geology, Institute of Science, Banaras Hindu University, Varanasi, India

“Flood Hazard Visualizing and Analysis by using Google Earth Engine (GEE) And Sentinel -1 SAR Dataset” [9418]

P16. Shrenik Jain, The Maharaja Sayajirao University of Baroda, Vadodara, India

“Impact of dams on sediment transport characteristics: A study from the peninsular rivers” [8311]

All posters listed in “Poster Session 2” (P10 – P17) will be evaluated between 14:30 and 15:30 on Day 2 (31.10.2025) of the conference. Therefore, all presenters are advised to remain at their respective posters during this period for evaluation and discussion.

Poster Session 3: Emerging Trends in River Health Assessment and Restoration

- P17. Mohit Kumar Shrivastava**, Department of Civil Engineering, IIT (BHU) Varanasi, Varanasi, India
“Towards Safer Agrochemicals: A Critical Review of Pesticide Toxicity, Governance, and Future Directions” [0848]
- P18. Sarthak Dubey**, Department of Civil Engineering, IIT (BHU) Varanasi, Varanasi, India
“Crucial Factors for Success in Revitalizing Small Rivers: A compilation on Rivers Rejuvenation Project, India” [1999]
- P19. Ankit Kumar**, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow
“Assessment of human induced impacts on sediment profile and ecological risk assessment of Gomti river basin, India” [3288]
- P20. Pragati Sharma**, Babasaheb Bhimrao Ambedkar Central University, Lucknow
“Conceptual Framework for Assessment & Restoration of Sarayan River through Vegetative Riparian Buffer” [9317]
- P21. Sushmita Singh**, Department of Geology, Institute of Science, Banaras Hindu University, Varanasi, India
“Spatio-Temporal Assessment of Ganga River Water Quality using Multispectral Data: A Google Earth Engine and Machine Learning Approach” [5311]
- P22. Shyamal Santra**, Transforming Rural India Foundation, India
“Flourishing Localities: A placed-based ecosystem approach for sustainable habitat, wellbeing and aspirations in minor river basins of Central India Tribal Region” [6727]
- P23. Komal Loshali**, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India
“A Holistic Framework for Small River Rejuvenation: Integrating Environmental Flows, Nature-Based Solutions, and Community Participation” [7815]
- P24. Richard Lizwe Steven Mvula**, Malawi University of Science and Technology, and UiT The arctic University of Norway
“Mapping Illegal Disposable Diaper Dumping and Its Threats to River Health: A One Health Case Study in Blantyre City, Malawi” [9906]
- P25. Hari Prakash**, Department of Civil Engineering, Indian Institute of Technology (BHU) Varanasi
“Spatio Temporal Analysis of Riverbank Encroachment and its Impacts on Health of Assi River, Varanasi” [9948]
- P26. Sonalika Jena**, Department of Geology, Banaras Hindu University, Varanasi, India
“Integrating Multisource Geospatial Layers with Machine Learning for Groundwater Recharge Zones” [9722]

All posters listed in “Poster Session 3” (P17 – P25) will be evaluated between 12:00 and 13:00 on Day 3 (01.11.2025) of the conference. Therefore, all presenters are advised to remain at their respective posters during this period for evaluation and discussion.