Plenary Session I

INVITED SPEAKERS: Day 1 (01 March 2025 - 12:00 to 1:30 PM)

Chairman: Dr. AK Agrwal, former Chairman, CGWB

Rapporteur:

Paper Title	Speaker	Affiliations
Isotope Applications in Groundwater Hydrology for Recharge Estimation and Studying Surface Water - Groundwater Interaction	R. D. Deshpande	Physical Research Laboratory (PRL) (Unit of Dept. of Space Govt. of India) ,Navrangpura, Ahmedabad 380009.
Impact of Climate Change on Groundwater Resources and Sustainable Environmental Solutions	N. Janardhana Raju	School of Environmental Sciences, Jawaharlal Nehru University, New Delhi-110067, India.
Scarcity of water or scarcity of management in India	Dr. R. C. Jain	Former Chairman, CGWB & Adviser, GWRDC, Water Supply and Kalpsar Dept., Govt. of Gujarat.
Unravelling hydrogeological intricacies through airborne geophysics to address india's water challenges	Dr. Subash Chandra	Chief Scientist, CSIR-National Geophysical Research Institute Uppal Road, Hyderabad-500007, Telangana
Adaptive Management Strategies As Key To Improving Water Security And Building Resilience To Climate Change Impacts On Freshwater Resources	Claudia Cherubini1 online at 1.00 PM	Associate Professor, University Of Trieste, Italy
Address by Chairman, CGWB	Dr. S K Ambast	Chairman, CGWB, Ministry of Jal Shakti, GoI, New Delhi

Plenary Session II

INVITED SPEAKERS: Day 2 (02 March 2025 - 9:30 AM onward)

Chairman: Prof. NJ Panwar, VC DY Patil Univ

Rapporteur:

Paper Title	Speaker	Affiliations
Use of Regional Scale Models in Water Resources Planning and Management	Dr. Vivek Bedekar	S.S. Papadopulos and Associates, Inc.
Participatory Approach for Sustaining Groundwater and Improving Livelihood: Lessons from the MARVI Project in Rural India	Dr. Basant MaheshwariDr	Distinguished Professor, Western Sydney University, Hawkesbury Campus Locked Bag 1797, Penrith, NSW 2751, Australia
Model assisted sustainable development of the groundwater resources in the industrial and mining sector of India: regulatory framework & the practices	Dr. Shashank Shekhar	Department of Geology, University of Delhi, Delhi-110007.

Poster Session - 01/03/2025					
Chairman: Dr. Ram Babu Singh					
Rapporteur: Vijay Punia					
Paper Title	**Authors**	**Affiliations**	**Presenter**	**Email**	**Mobile**
March 1, 2025: Poster Session	**Posters to be displyed during lunch time and will remain for evaluation all theorugh the seminar till March 2, 2025 till 3.00 pm**	**The Authors need to put these at desired place and be available during the assessment by the Jury**			
Application of Electrical Resistivity Survey in Groundwater Exploration: Advances and Challenges	Harshit Bhatia1 and Harshavardhana B G1*	1 Department of Civil Engineering, Manipal University Jaipur, Rajasthan *Corresponding author		harshavardhana.ganesh@jaipur.manipal.edu	
Identification of Groundwater Potential Zones using Electrical Resistivity Technique	Chabungbam Yaiyaisana, Natasha Shaikh	Students, Dept. of Geophysics, Kurukshetra University, Kurukshetra		yaiyaisana2002@gmail.com , natasha301001@gmail.com	
Assessment of Water Resource Sustainability Through Hydrogeological Evaluation Using D-Z Parameters: A Case Study of Saraswati Nagar Block, Yamuna Nagar District , Haryana , India	Diksha, Suraj Vanshi , Sushil Kumar	Department of Geophysics, Kurukshetra University, Kurukshetra		geophy2326diksha@kuk.ac.in	
Identification of major factors controlling groundwater chemistry and its suitability for different uses	Pallavi Singh, Saurabh Mishra and Ashwani Kumar Tiwari	School of Environmental Sciences, Jawaharlal Nehru University, New Delhi		palvisingh40@gmail.com	985294167
Groundwater chemistry and risk to human health assessment in the adjacent area of Chitra Mines, Deoghar, Jharkhand, India	Vindhyavasini Yadav and Dr. Ashwani Kumar Tiwari	School of Environmental Sciences, JNU		vindhyavasiniyadav204@gmail.com	708445976
Assessment of Groundwater Chemistry of Sultanpur District, Uttar Pradesh, India	Chandra Bhushan1*, Ashish Pratap Patel2 and Ashwani Kumar Tiwari2	1Veer Bahadur Singh Purvanchal University, Jaunpur, Uttar Pradesh 2Jawaharlal Nehru University, New Del hi		chandra.env.jnp@gmail.com	860487705
Geophysical investigations for the Saraswati River palaeochannel in a parts of Kurukshetra and Yamuna Nagar district, Haryana, India	Janvi*, Rahul Sharma	Department of Geophysics, Kurukshetra University Kurukshetra		geophy2326janvi@kuk.ac.in	

Monitoring salinity spatio-temporal trends and economic expansion around Sambhar Salt Lake using Landsat (8, 9)	Parnika Jain1*, Abhinav Galodha2,3	1*Neerja Modi School, Shipra path, Jaipur, Rajasthan, India 2School of Interdisciplinary Research (SIRe), Indian Institute of Technology Delhi, IIT Delhi, Hauz Khas, New Delhi, India 3Geospatial Computing Laboratory, School of Engineering (SoE), Newcastle University (NCU), Newcastle Upon-Tyne, United Kingdom (UK)		Parnika.ja@nmsindia.org , A.galodha2@newcastle.ac.uk , srz208737@sire.iitd.ac.in	
Geochemical Evaluation of Surface and Groundwater for Domestic, Agricultural, and Industrial Applications: A case study from Shrigonda taluka, Maharashtra	Narayan Durke1*, Bhavana Umrikar1	1. Department of Geology, Savitribai Phule Pune University, Pune, Maharashtra - 411007	Narayan Durke	narayandurke123@gmail.com	
Hydrogeological and Statistical Evaluation of Groundwater Quality in Relation with CKDu Prevalence in Gaundongrem, Canacona Taluka, Goa	Abhishek Kamat1, Manoj Ibrampurkar2 Bhavana Umrikar1	1.Department of Geology, Savitribai Phule Pune University, Pune, Maharashtra - 411007 2.Department of Geology, Dhempe College of Arts & Science, Miramar, Goa – 403001	Abhishek Kamat	kamat7066@gmail.com	

Technical Session I - 01 March 2025; 3:00 PM		**Session for Young Researchers**			
Chairman: Prof. Ashwani K. Tiwari		**They will continue on both the sessions on March 1 & 2, 2025**			
Rapporteur: Dr. Era Upadhyay					
Paper Title	**Authors**	**Affiliations**	**Presenter**	**Email**	**Mobile**
Understanding The Hydrodynamics in Parts of Araria District, Bihar Using Geospatial Technique	Anugya Rashi 1*, Anil Kumar1, Bhavuk Sharma1	1Department of Geology, Patna University, Ashok Rajpath, Patna	Anugya Rashi (PhD Research scholar)	ashipriya451@gmail.com	620643848
Identification of rain water percolation direction and Fresh-Saline groundwater interface by DC resistivity survey in Talu village, Bhiwani district, Haryana, India	Aakash Deep1, B S Chaudhary2, Sushil Kumar3	1 Research Scholar, Department of Geophysics, Kurukshetra University, Kurukshetra, INDIA 2 Professor, Department of Geophysics, Kurukshetra University, Kurukshetra, INDIA 3 Assistant Professor, Department of Geophysics, Kurukshetra University, Kurukshetra, INDIA		aakashdeep.phd@kuk.ac.in	

Assessment of Drinking Water Quality in Prayagraj City: An Analysis of Major Ions and Heavy Metals	Supriya Upadhyay a , S Sreekesh b	a Research Scholar, Center for the Study of Regional Development, Jawaharlal Nehru University, New Delhi; b Professor, Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India – 110067		supriya02octupadhyay@gmail.com	700765761
Integration of Geospatial and Geophysical survey for the evolution of Saraswati Palaeochannels and Groundwater aquifer potential in Haryana, Northwest India	Harsh Kumar 1, 2* , B. S. Chaudhary 1 , R. S. Chatterjee 2 , Kiker Singh 3	1 Department of Geophysics, Kurukshetra University, Kurukshetra, Haryana, India 2 Geosciences Department, Indian Institute of Remote Sensing, Indian Space Research Organisation, Dehradun, India 3 Department of Geology, Kurukshetra University, Kurukshetra, Haryana, India		harsh.vatsa7@gmail.com	
Geochemical characterization and evaluation of groundwater for irrigation suitability in coastal aquifers of Odisha: Implication for agricultural sustainability	Suhani Srujanika1*, Bhavana Umrikar1	1. Department of Geology, Savitribai Phule Pune University, Pune- 411017	Bhavana Umrikar	s.srujanika@gmail.com	
Liquefaction potential evaluation for subsurface soil layers in parts of Gurugram city, Haryana: implications for earthquake-resilient structures	Vijay Punia 1* , B. S. Chaudhary 2	1 Rao Geotechnical Consultants LLP, New Delhi, India 2 Department of Geophysics, Kurukshetra University, Kurukshetra, Haryana, India		vijaypunia2@gmail.com	
Innovative Approaches to Groundwater Sustainability: Techniques, Practices, and Policies	Nishi Kant*,1 and Prasoon Kumar Singh2	Department of Environmental Science and Engineering, Indian Institute of Technology (ISM), Dhanbad - 826004, Jharkhand		nishi19kant90@gmail.com	
Delineation of Different Water Quality Zones using Entropy Weighted Quality Index Approach Near Mining Areas	Vivek Kumar1, Ravi Prakash Kumar1, Prasoon Kumar Singh1*, Rohit Patel1, Ankesh Kumar1, Shilpy Kumari1, Arunima Chakraborty1	1Department of Environmental Science and Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad 826004, India		pks0506@iitism.ac.in	
Canal network as a means of sustainability in alluvial aquifers and addressing imminent groundwater decline due to climate change and rising populations	Saif Ahmad Khan 1 , Izrar Ahmad 2 and Saiful Islam 3	Geology, Aligarh Muslim University, AMU Campus, Aligarh, 2020022, Uttar Pradesh, India.		izrarahmed@gmail.com	753685419

Technical Session II - 01 March 2025; 3:00 PM		**Artificial Recharge, Climate Change and Community Engagement**			
Chairman: Shri MS Rathore					
Rapporteur: Dr. Shweta Kulshreshta					

Paper Title	Authors	Affiliations	Presenter	Email	Mobile
Rain Water Harvesting - A key to Sustainable Ground Water Recharge	R.C.SHARMA	Scientist (Retd.), Central Ground Water Board		rcs49@rediffmail.com	997179981
The effect of saline water abstraction in Sambhar Lake, Rajasthan, on the surrounding groundwater system	Dr. Ashok Kumar*1, Bhaskar A. Sawant*2, Suraj Bhan Singh*3, Dr. A. K. Sinha*4, R. K. Mishra*5	1. Principal Consultant - Groundwater, Water Aquifer, New Delhi 2. Principal Secretary, PHED & Groundwater Dept., GoR 3. Chief Engineer, Ground Water Dept., GoR 4. Vice-President Asia, IAH & President, INC-IAH 5. Suptd. Engineer, Ground Water Department, GoR			
Mapping Unsaturated Alluvium Using Schlumberger Electrical Resistivity Method in the Yamuna Floodplains, Haryana, for Artificial Recharge	Savita Singh12 , Bhagwan Singh Chaudhary1, Shailesh Bhatnagar2	1,2 Department of Geophysics, Kurukshetra University Kurukshetra-136119, Haryana, India . 1,3 Central Ground Water Board, Chandigarh, India		savitasingh2588@kuk.ac.in	
Groundwater Recharge Potential Zone Identification and Water Quality Assessment: A Case Study of Rajsamand District in Rajasthan, India	Vipin Garg1, Rajesh Kumar1, Dr Alok Kumar2*	1 Research Scholar, Department of Environmental Science, School of Earth Sciences, Central University of Rajasthan, Ajmer, Rajasthan, India. Email: 2019PHDEVS006@curaj.ac.in, Tel.: +91-9461324284 1 Professor, Department of Environmental Science, School of Earth Sciences, Central University of Rajasthan, Ajmer, Rajasthan, India. Email: rajesh.kumar@curaj.ac.in,Tel.: +91-7827286695 2 Assistant Professor, Department of Environmental Studies, University of Delhi, New Delhi, India.	Vipin Garg	akumar1@es.du.ac.in	966026337
Assessing the Influence of Groundwater Recharge and Extraction Patterns on the Sustainability of Groundwater Resources in Rajasthan	Dominic MARIA, Pant NUPUR, Pandey PREETI, Kanwar PRIYA	Central Groundwater Board, Western Region, Jaipur		maria.dominic-cgwb@gov.in, nupurpant11@gmail.com	

Sustainable Groundwater Management in India: Exploring Agricultural Managed Aquifer Recharge Strategy as a Solution	Kartik Jadav and Basant Yadav	Department of Water Resources Development and Management, Indian Institute of Technology, Roorkee, Roorkee-247667, India		kartikjadav6146@gmail.com	
Assessing the Influence of Water Harvesting Structures on Aquifer Recharge Using Electrical Resistivity Technique in the Western Parts of Maharashtra, India	Payal Waindeshkar1* Bhavana Umrikar1	1. Department of Geology, Savitribai Phule Pune University, Pune- 411017, India	Payal Waindeshkar	payalwaindeshkar123@gmail.com	
Climate Variability and Groundwater Recharge : The Role of Rainfall Distribution in Telangana State	P. Kiran Kumar*, M. S. Goutham, K. Rambabu, G. Krishnamurthy	1 Central Ground Water Board, Southern Region, Hyderabad-500068		pkirankumar-cgwb@gov.in	

Technical Session III - 01 March 2025; 3:00 PM	**Integrated Hydrogeolical Modeling, Coastal and Community Development**				
Chairman: Dr. G. Krishnamurthy					
Rapporteur: Dr. Manishita Mukherjee					
Paper Title	**Authors**	**Affiliations**	**Presenter**	**Email**	**Mobile**
Changing sea level and groundwater quality modifications along the coastal areas of Ernakulam district, Kerala	S Sreekesh	Professor Centre for the study of Regional Development Jawaharlal Nehru University, New Delhi		sreekesh@jnu.ac.in	
Machine Learning based approach for assessment of Groundwater Table Fluctuations and Groundwater Potential Zone Mapping Near Mining Regions	Ravi Prakash Kumar1, Vivek Kumar1, Ankesh Kumar1, Mamta1, Khushboo Kumari1, Ritesh Ranjan1, Prasoon Kumar Singh1*	1Department of Environmental Science and Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad 826004, India		pks0506@iitism.ac.in	
Hydrogeological Considerations, Aquifer Mapping, deciphering the heterogenous hydrostratigraphic system and denoting a sustainable ground water management plan of the Sambalpur urban and peri urban agglomerates, Odisha, India	*Raj Kishor Mohanty	Senior Scientist, Central Ground Water Board, Ministry of Jal Shakti, Government of India		rajkishor.m-cgwb@gov.in	
AQUIFER MAPPING IN GROUND WATER CONSERVATION AND MANAGEMENT IN THE STATE OF ODISHA: A CASE STUDY FROM EASTEN GHATS	Chirashree Mohanty	Scientist-D, Central Ground Water Board, South Eastern Region, Bhubaneswar, Odisha		Chirashree-cgwb@nic.in, chirashreebaral@gmail.com	943743173

Delineating Groundwater Potential Zones in Dibrugarh District, Assam, India using GIS and Analytical Hierarchy Process (AHP)	Bijoy Krishna Chetia1*, Jayashri Dutta1, William Narzary1	1Jal Jeevan Mission, Assam		bijoykrishnaster@gmail.com	938794467
Community-Driven Step-well Rejuvenation for Sustainable Groundwater Management: A Case Study of Bundi District, Rajasthan	Resma S.Pillai1*, Sugan Manimaram2, Basant Maheshwari3, Archana Sarkar4, Muttucumaru Sivakumar5 & G.Krishnamurthy1	1 Central Ground Water Board, Southern Region, GSI, Post, Bandlaguda, Hyderabad 2 Tamil Nadu Water Resources Department, , Tharamani, Chennai 3 Western Sydney University, School of Science, New South Wales, Australia 4 National Institute of Hydrology, Roorkee 5 School of Civil Mining and Environmental Engineering, University of Wollongong, Australia		resmas.pillai-cgwb@gov.in	
ATAL BHUJAL YOJANA - Ensuring community led sustainable groundwater management through innovative techniques and practices Theme: Innovative techniques, Practices and Policies for Sustainable Groundwater Resource Management	Madhumanti Roy1, Neety Nayar1, Jitesh Tatiwal1, Akanksha Kushwaha2, Umesh S. Balpande3 and Pratul Saxena4	National Program Management Unit (NPMU), Atal Bhujal Yojana, DoWR, RD & GR, Ministry of Jal Shakti 1 Deputy Director, 2 Assistant Director, 3 Director, 4 Project Director	Jitesh Tatiwal/ Neety Nayar	jitesh-cgwb@nic.in, ddir1-ataljal@gov.in	
Atal Bhujal Yojana- A unique initiative towards participatory ground water management in India Theme: Community Engagement, Stakeholder Involvement and Education	Neety Nayar1, Madhumanti Roy1, Jitesh Tatiwal1, Akanksha Kushwaha2,Umesh S. Balpande3 and Pratul Saxena4	National Program Management Unit (NPMU), Atal Bhujal Yojana, DoWR, RD & GR, Ministry of Jal Shakti 1 Deputy Director, 2 Assistant Director, 3 Director, 4 Project Director	Neety Nayar	ddir1-ataljal@gov.in	954099912
From Dependency to Sustainability: Revitalizing Shared Aquifers in Coastal Kachchh	Jadeja, Y. J., Bhimani, S. B. Vyas, S. M. Karatiya, G.K. Jadeja K. Y.	Arid Communities and Technologies Bhuj-Kachchh		yogeshjadeja@gmail.com	99798 50931
Community Engagement, Stakeholder Involvement and Education for Sustainable Water Resources	Anup Kumar	Haryana Space Applications Centre (HARSAC) CCS HAU Campus, Hisar-125004, Haryana		anup0106@yahoo.com	999176113

Technical Session IV : 02 March 2025; 11:30 AM onwards		**Artificial Recharge, Climate Change and Community Engagement**			
Chairman: Dr. Vinit Phadnis					
Rapporteur: Dr. Era Upadhyay					

Evaluating water quality dynamics in the inter-connected lake system-of Ayad River basin, Udaipur, Rajasthan	Yogita Dashora	Postdoc Researcher, DANIDA-IWRM project, Udaipur		dashora.yogita@gmail.com	
Insight into Submarine Groundwater Discharge along the Indian coast and its Role in Nutrient and Contaminant Transport	a# Naveen Gupta , b* N. Janardhana Raju	a,b School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, 110067		1206gupta@gamil.com, rajunj7@gmail.com	
Understanding the Fresh-Saline Interactions for Coastal Groundwater Sustainability: A Case Study from Odisha Coast, India	Soumya Kanta Nayak a , Janardhana Raju Nandimandalam a*	School of Environmental Sciences, Jawaharlal Nehru University, New Delhi,110067, India		soumyasiku21@gmail.com, rajunj7@gmail.com	
Global Occurrence and Levels of Pharmaceutical Contaminants in Groundwater: A Comprehensive Review	Monica Gangopadhyay[1], Suman Naithani[1], Pratibha Naithani[1], Charkresh Kumar Jain[2], Amrendra Kumar Sinha[3]	[1]Department of Environmental Science, Graphic Era Deemed to be University, Dehradun [2]Centre for Science and Environmental Research, Roorkee [3]Department of Geology, University of Rajasthan, Jaipur		monicaspecs@gmail.com	
Water Budget Components and Impacts of Climate Change: A Study of the Alaknanda River Basin	Sudheer Kumar Yadav* and Ravindra Pratap Singh	Department of Earth and Planetary Sciences, University of Allahabad, Prayagraj-211002		geosudheer@gmail.com	
The geochemical characterisation of granite and pyrite pit lakes: A preliminary study	Saurabh Kumar Singh 1 and Anita Punia 2*	1 Dayal Singh College, Univeristy of Delhi, New Delhi, India – 110003 2 Bhuparayan Research Foundation, Pilani, India – 333031		puniaanita12@gmail.com	
Electrical Resistivity Techniques for Groundwater Investigations in North- western Hisar District, Haryana, India	Vishal Khoure, Rajesh Ranga, Kawar Singh	*Department of Geophysics, Kurukshetra University Kurukshetra Department of Geology, Kurukshetra University Kurukshetra		vishal.khoure@kuk.ac.in	
YOUTH PERCEPTION ON CLIMATE CHANGE & ITS IMPACT ON GROUNDWATER RESOURCES: A STUDY IN NORTH MAHARASHTRA, INDIA	Bhavesh D. Patil*, Ajaykumar K. Kadam, Sanjay N. Patil, Nilesh S. Patil	School of Environmental and Earth Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, India-425001		bhaveshpatil143143@gmail.com	
Assessment of Physico-Chemical Parameters for Groundwater Quality in Gomati River Basin	Shivani Gupta1*, Puneet Kumar Maurya2 and Bharti Sahrma3	1Department of Earth and Planetary Sciences, University of Allahabad, Uttar Pradesh-211002 2Ground Water Directorate, Government of UP, Lucknow, Uttar Pradesh-226002 3AADYA - Planetary and Geoscience Research, Bhikaji Cama Place, New Delhi-110066		shivanigupta0312@gmail.com	

Technical Session V : March 2, 2025 11.30 AM	Geological and Geophysical Methods for Deeper Aquifers				
Chairman: DR. SN Rai					
Rapporteur: Dr Shweta Kulshershta					

Paper Title	Authors	Affiliations	Presenter	Email	Mobile
Essence of geophysical surveys in context of groundwater exploration – case studies from hard rock terrains	S. N. Rai	Chief Scientist (Retd.), CSIR-National Geophysical Research Institute, H. No. 1-30/1, Saraswathi Colony, Uppal, Hyderabad-500 039, India		snrai_ngri@yahoo.co.in	990829878
Ground Water Sustainability through Aquifer Mapping and Management Plans for Sangareddy District of Telangana State	Vittala, S.S, Mohanta, B.K and Krishnamurthy, G	Central Ground Water Board, Southern Region, GSI Post, Bandlaguda, Hyderabad-500068		srisrivittala-cgwb@gov.in	
Evaluation of Suitable Sites for water-soluble rare earth elements (REEs) Extraction from Coal mine drainage (CMD)	Rambabu Singh*, R K Singh, Debasis Bandyopadhyay, Om Dutt Bijani, Nitish Kumar	Central Mine Planning and Design Institute Limited, RI-IV, Nagpur, MH, India	Dr. Rambabu Singh	rambabu.singh@coalindia.in	
High-Resolution Aquifer Mapping Using Advance Heliborne Transient Electromagnetic Survey for Groundwater Assessment and Management at Gram Panchayat Level of Block: Sumerpur, District: Pali, Rajasthan, India.	K. P. Singh1, Sunita Devi1 and M. Vidyasagar2	1Central Ground Water Board, WR, Jaipur; 2Central Ground Water Board, NER, Guwahati.		sunitaraika-cgwb@gov.in	
Surface and Subsurface Geophysical investigation of Saraswati River palaeochannel in parts of Yamuna Nagar and Kurukshetra districts of Haryana, India	Sushil Kumar*, Yoginder Singh, Kajal	*Department of Geophysics, Kurukshetra University Kurukshetra Department of Geology, Kurukshetra University Kurukshetra			
The Lifeline under Pressure: Hydrological Behaviour from Monsoon to Snowmelt in the Mahakali River Basin	Shailendra Kumar Choudhary1*, Ravindra Pratap Singh2 and Jaykrit Ishaan Sahay3	1JN Government PG College, Lucknow, Uttar Pradesh- 2Department of Earth and Planetary Sciences, University of Allahabad, Uttar Pradesh-211002 3Uttarakhand Space Application Center, Dehradun, Uttarakhand-248001		*rpsinghsaran@allduniv.ac.in	
Characterization and Delineation of multifarious Aquifer system through Vertical Electrical Sounding Resistivity mechanisms in the Sambalpur urban and peri urban agglomerates, Odisha, India	*Raj Kishor Mohanty	Senior Scientist, Central Ground Water Board, Ministry of Jal Shakti, Government of India		rajkishor.m-cgwb@gov.in	

Technical Session VI - 02 March 2025; 11:30 aM		Land Use, Climate Change and Community Engagement			
Chairman: Dr. Bhavna Umrikar					
Rapporteur: Dr. Manishita Mukherjee					
Paper Title	**Authors**	**Affiliations**	**Presenter**	**Email**	**Mobile**
Impact of Urbanization on Land Use/Land Cover and Its Implications on Long-Term Groundwater Level Trends in Jaipur Urban, Rajasthan	Pant NUPUR, Dominic MARIA*	Central Groundwater Board, Western Region, Jaipur		nupurpant11@gmail.com , maria.dominic-cgwb@gov.in	
Innovative Water Management Techniques for Sustainable Future (Frame-work Approach for Innovative Methods & Techniques for Sustainable Development & Management of Water Resources Systems in Country)	Dr. S. K. Sharma, Vimal V. Belani, Lalit Gupta	1 Consultant (Top Level Expert (TLE) WAPCOS Limited and Former Member, Central Ground Water Board (CGWB), Ministry of Jal Shakti, Government of India, 2 Sr. Engineer WAPCOS Limited, Gurugram	Dr. S. K. Sharma	sksharma1942@gmail.com	991057498
Projecting Water Demand in Evolving Semi-Arid Landscapes of India: Implications for Sustainable Resource Management	Dr Jabbar Khan*, Dr Pallavi Upreti**	*Department of Chemistry, Environmental Science discipline, School of Basic Sciences, Manipal University Jaipur, Dehmi Kalan, Jaipur, Rajasthan 303007, India **Assistant Professor, Dept. of Geography NNHRSC, Doon University, Dehradun, Uttarakhand, India			
Resilient Watersheds, Resilient Communities: Adapting to Dam-Induced Land Cover Changes in the Himalaya	Dr Pallavi Upreti*, Dr Jabbar Khan**	*Assistant Professor, Dept. of Geography NNHRSC, Doon University, Dehradun, Uttarakhand, India **Department of Chemistry, Environmental Science discipline, School of Basic Sciences, Manipal University Jaipur, Dehmi Kalan, Jaipur, Rajasthan 303007, India			
Urbanization in Jaipur city and Dependency on Ground water: an approach from development to management for Resilience	Preeti Pandey1 Nupur Pant2, Irfan Ali2, Sunita Raika2, Maria Domnic2	1Central Ground Water Board, Western Region, Jaipur, Rajasthan, 334004 2 Central Ground Water Board, Western Region, Jaipur, Rajasthan, 334004		preeti26pandey@gmail.com	800906182

Assessment of Rainwater Composition and Identification of Ionic Signatures in Mica-Dominant Regions of Jharkhand, India	Mukesh Kumar Mahato*1, Soma Giri2, Ashwani Kumar Tiwari3, Abhay Kumar Singh4	1Department of Environmental Studies, Lakshmibai College, University of Delhi, New Delhi-110052, India. 2Department of Environmental Science, Central University of South Bihar, Gaya - 824236, India. 3School of Environmental Sciences, Jawaharlal Nehru University, New Delhi-110067, India 4Water Resource Management Group, CSIR-Central Institute of Mining and Fuel Research, Barwa Road, Dhanbad – 826015, India.	Dr. Mukesh Kumar Mahato	mukeshkumarmahato@lb.du.ac.in , catchmukesh8317@gmail.com	
BLESSING, BALANCING AND DESTRUCTION: QUANTITATIVE INSIGHTS INTO THE GANGAS	Ravindra Pratap Singh1*, Bharti Sharma2 and Bhupendra Kumar Mishra3	1. Department of Earth and Planetary Sciences, University of Allahabad, Uttar Pradesh-211002 2. AADYA - Planetary and Geoscience Research, Bhikaji Cama Place, New Delhi-110066 3. Department of Mining, AKS University, Satna, Madhya Pradesh-485001		rpsinghsaran@allduniv.ac.in	
New Innovative and Patented Technology BoreCharger++ for Recharging Low Yielding or Defunct Borewells	Vinit Phadnis1,2, Rahul Bakre1,3 & Ashwini Supekar2	1,. Urdhvam Environmental Technologies Pvt.Ltd., Pune-411021 INDIA 2. Department of Geology, Savitribai Phule Pune University, Ganeshkhind, Pune-411007 India 3. Department of Environmental Sciences, Savitribai Phule Pune University, Ganeshkhind, Pune-411007 India			

Technical Session VII: March 2, 2025 2.30 PM		**Water Quality and Emerging Contaminants & Rock-Water**			
Chairman: Dr. Chirashree Mohanty					
Rapporteur: Dr. Era Upadhyay					
Paper Title	**Authors**	**Affiliations**	**Presenter**	**Email**	**Mobile**

Groundwater Resource Management in Thar Desert of Western Rajasthan, India	Dr. L. N. Mathur	Former Scientist, Central Ground Water Board, Government of India		lnm_mathur@yahoo.com	9310860578, 9717224776 (Whatsap p)
Potential of Coal Mine Produced Water for Beneficial Uses: Appraisal for Drinking, Irrigation, Industrial applications, and domestic supply in East Bokaro Coalfield, Jharkhand, India.	*Mukesh Kumar Mahato1 and Prasoon Kumar Singh2	1Assistant Professor Department of Environmental Studies, Lakshmibai College, University of Delhi-110052 2Department of Environmental Science and Engineering, IIT (Indian School of Mines (Dhanbad), India		mukeshkumarmahato@lb.du.ac.in	
ASSESSMENT OF GROUNDWATER QUALITY FOR AGRICULTURAL AND INDUSTRIAL PURPOSES IN SHAHADA TEHSIL, MAHARASHTRA, INDIA	Sanjay N. Patil*1, Ajaykumar K. Kadam1, Bhavesh D. Patil, Nilesh S. Patil1, Vikrant V. Bartakke2	1School of Environmental and Earth Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, India-425001 2Department of Earth and Climate Science, IISER Pune, Maharashtra, India-411008		drsnpatil9@gmail.com	
A case study of hydrochemical evaluation revealing dental and skeletal fluorosis and other naturally occurring hazards	Syed Zaheer Hasan and P. L. Srinivasa Rao	Petroleum Research Management, Gujarat Energy Research and Management Institute, First Floor, Energy Building, PDEU Campus, Raisan, Gandhinagar-382007, Gujarat, India.		zaheer@germi.res.in, szaheerhasan2001@yahoo.com	
Assessment of the spatial distribution of Emerging Contaminant (Mn) in groundwater in areas in and around Munger, Bihar	Bhavuk Sharma1* and Atul Aditya Pandey1	1Department of Geology, Patna University, Ashok Rajpath, Patna		bhavuksharma@pup.ac.in	
Quality of Groundwater of Ladnun Block of Nagaur District in the central part of Rajasthan, India	Vijay Pal Meena 1 , Arun Vyas 2 and Ashish Tank 3	1 Department of Geology, University of Rajasthan, Jaipur (Rajasthan), INDIA. 2 Government Girls College, Soorsagar, Jodhpur (Rajasthan), INDIA. 3 20 Savita Colony Nimbahera, District - Chittorgarh (Rajasthan) PIN – 312601, INDIA		vijaypalmeena5779@gmail.com, avyasgeo@yahoo.com, ashishtak77@gmail.com	

GROUND WATER ASSESSMENT, ESTIMATION, AND REGULATION IN INDIA: AN ANALYSIS & A CASE FOR ALIGNED LINKAGES	1Nitish Kumar*, 1Md Noor Uddin, 2Amit Kumar, 3Rambabu Singh	1Central Mine Planning & Design Institute Limited, Regional Institute-V, Bilaspur, India 2Government of India, Indian Administrative Service; Commissioner, Municipal Corporation, Bilaspur, India 3Central Mine Planning & Design Institute Limited, Regional Institute-IV, Nagpur India		nitish.kr9356@coalindia.in	
Determination of Irrigation water quality parameters and hazardous elements through hydrogeochemical analysis of the ground water in the Sambalpur urban agglomerates, Odisha, India	*Raj Kishor Mohanty	1 Senior Scientist, Central Ground Water Board, Ministry of Jal Shakti, Government of India		rajkishor.m-cgwb@gov.in	
Groundwater quality evaluation using water quality index (WQI), GIS and multivariate statistical technique in National Capital Region, Delhi, India	Shilpi Gupta	Scientist-D* *Central Groundwater Authority, New Delhi, India		shilpigupta997@gmail.com	

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Paper Title	**Authors**	**Affiliations**	**Presenter**	**Email**	**Mobile**
Remedial measures for fluorosis affected areas of Chhattisgarh State	Dr Prabir K. Naik*, Rakesh Dewangan, Promod Sahu. S Barik, Suvam Dash, Mukesh anand, B. Abhishek, Anita Bind, Dr R. K. Sharma, Sweta Mohanty	Regional Director, Scientists ,CGWB, NCCR, Raipur.		prabir.naik-cgwb@gov.in	
Use of Innovative Tools for Sustainable Water Resource Management in agriculturally dominated Haryana State, India	Prof. (Dr.) B. S. Chaudhary	Chairman, Department of Geophysics, Kurukshetra University, Kurukshetra -136119		bschaudhary@kuk.ac.in	
Management of diverse aquifer systems towards achieving Sustainable Development Goals: A case study	Debasish Bagchi, Suparna Datta, Anadi Gayen	Central Ground Water Board (CGWB), Ministry of Jal Shakti, Government of India		anadigayen1968@gmail.com	

High-Frequency Groundwater Level Monitoring Data in Rajasthan for Sustainable Groundwater Management	1DR R.K.Kushwaha, 1Vipin K. Malik, 1R.K.Verma & 2Er. M.S Rathore	1Scientist, Central Ground Water Board, W.R, 6-a, Jhalana Doongri, Jaipur-302004 4 Regional Director, Central Ground Water Board, W.R, Jaipur,		Kushwaha-cgwb@gov.in	
Applications of Remote Sensing & GIS in Environmental Studies	Deepak Lakhanpal, Dr.S.K. Sharma , Vimal V. Belani, Lalit Gupta	1 Chief Engineer, WAPCOS Limited, Gurugram 2 Consultant (Top Level Expert (TLE) WAPCOS Limited and Former Member, Central Ground Water Board (CGWB). Ministry of Jal Shakti, Government of India) 3 Consultant (Top Level Expert (TLE) WAPCOS Limited and Former Executive Engineer Delhi Jal Board, National Capital Territory (NCT) of Delhi.4 Senior Engineer WAPCOS Limited, Gurugram	Dr. S. K. Sharma	sksharma1942@gmail.com	991057498
Role of Multi-Deformational Events in Earth's Critical Zone Architecture: Implications for Sustainable Groundwater Resources and Management	Rudra Mohan Pradhan	National Centre for Earth Science Studies, Thiruvananthapuram, Kerala, 695011, India		rudra.pradhan@ncess.gov.in	
GROUND WATER ASSESSMENT, ESTIMATION, AND REGULATION IN INDIA: AN ANALYSIS & A CASE FOR ALIGNED LINKAGES	1Nitish Kumar*, 1Md Noor Uddin, 2Amit Kumar, 3Rambabu Singh	1 Central Mine Planning & Design Institute Limited, Regional Institute-V, Bilaspur, India 2 Government of India, Indian Administrative Service; Commissioner, Municipal Corporation, Bilaspur, India 3 Central Mine Planning & Design Institute Limited, Regional Institute-IV, Nagpur India		nitish.kr9356@coalindia.in	