43rd INCA International Congress
06-08 November 2023 - Jodhpur

Day 2: Technical Session 2-C | 07 November 2023, 11:30 – 13:00 hrs
Venue: Hall-C (1st Floor, RC-W Main Building)

Water Resources Management – I

Chair: ..... **Co-chair:** ..... **Rapporteur:** .....

Sl No.	Title	Authors
1	Groundwater potential mapping of a tropical river basin using data driven evidential Belief function, knowledge-based analytic hierarchy process and an ensemble model	Biman Ghosh, Soumen Sadhukhan National Atlas and Thematic Mapping Organisation
2	Empowering water supply for Selected Urban Local Bodies (ULBs) using GIS, IoT and Artificial Intelligence technologies in Karnataka	Gangadharappa R Karnataka State Council for Science and Technology
3	From Abundance to Depletion: A Geospatial Approach to Understanding Groundwater Dynamics in the Yamuna Upper Sub-basin	Ratnadeep Dutta, Milap Punia, Suvamoy Pramanik Jawaharlal Nehru University
4	Prediction of landuse/landcover change using CA-ANN approach and its association with river-bank erosion on a stretch of Bhagirathi river of Lower Ganga Plain	Abhijit Paul, Soumen Sadhukhan National Atlas and Thematic Mapping Organisation
5	Spatial variability of paleochannels and their significance in groundwater reserves and riparian ecosystems – A study in Murshidabad district, India	Sucheta Mukherjee Sripat Singh College, Murshidabad
6	Holistic Characterization of Ramsar Wetland Site, North India for Sustainable Management: A Case Study using Geospatial Techniques	Vipan Kumar Verma, Koyel Sur, Brijendra Pateriya Punjab Remote Sensing Centre
7	Estimation Of Soil Erosion in Part of Siwalik Region Using Revised Universal Soil Loss Equation (RUSLE) Model	Sunil Kumar, Shruti Kanga Central University of Punjab
8	Application of Fuzzy C-means clustering and Fuzzy EDAS for evaluating the suitability of groundwater irrigation and prioritizing agricultural development in an intricate hydrogeological basin	Sudipa Halder National Atlas and Thematic Mapping Organisation
9	Delineation of groundwater potential zones and its extension of contamination to human health risk assessment with special reference to	Khushwant Rao[1], Arkoprovo Biswas[2], Dev Sen Gupta[3] [1]National Atlas and Thematic Mapping

	arsenic contamination in Malda district of West Bengal, India	Organisation [2] Banaras Hindu University, Varanasi [3]Defence Geoinformatics Research Establishment, DRDO Chandigarh
10	Hydrogeomorphological Approach in Water Resource Management of Asan Watershed, Western Doon Valley, Uttarakhand, India	Pijush Roy National Atlas and Thematic Mapping Organisation