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Gupta, S.K., 1999. "Engineering Hydrology", Tata Mc Graw-Hill Publishers, New Delhi

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MESSAGE FROM EDITOR'S DESK

Greetings for the New Year 2021!

The country witnessed the damage from the COVID-19 pandemic. But the fight has not ended up. Small but important measures such as washing hands frequently, keeping six feet distance between yourself and others particularly when out, use of sanitizers, etc. protected us from the deadly virus. The New Year also brought hope with the availability of vaccines against COVID-19 virus. The pandemic has disrupted daily activities across sectors globally. The extent of damage on key sectors such as agriculture, water during lockdown is still unclear. However, this has brought new challenges and opportunities for the scientists, policy makers, and socio-political administrators to reassess our understanding in managing the water resources.

In the present Volume 41, Number 1, January, 2021, the journal broadly covers R&D studies pertaining to assessment of river water quality, groundwater level forecasting through modeling, use of soft computing techniques for simulating runoff, etc. The first paper discussed about the model template, developed by National Water Mission (NWM), for collection of data for each State of the country under State Specific Action Plan (SSAP). The study emphasized the need for further simplification of the templates for better comprehension. The second paper demonstrates the scope of enhancing the productivity and profitability of Onion crops grown under drip fertigation in a tropical zone. In the third paper, an appraisal of Bhagirathi-Hoogly River has been made by the West Bengal Pollution Control Board using pollution indices across eight monitoring stations. The fourth paper assesses the adequacy and efficacy of the Artificial Neural Network model (ANN) and Wavelet-ANN conjunction (WANN) models in the prediction of groundwater levels in the Ur River watershed in Tikamgarh district of Madhya Pradesh, India. The paper demonstrated the different features of ANN models for forecasting groundwater levels particularly in hard rock aquifer and their performance enhancement with wavelet theory. The fifth paper discussed on the Radial Basis Function Artificial Neural Network (RBFANN) model developed based on k-means clustering algorithms to simulate the daily rainfall-runoff process in the three Himalayan watersheds in Uttarakhand state, India. The last paper attempted to make a scientific analysis of the journey made by a research institute. The paper demonstrated the kaleidoscopic view of the institute by tracing the historical set-up and scientific contribution in the form of

research study reports, publications in journals and organizing training courses, etc.



Raj Deva Singh

(R. D. Singh)

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Journal Article:

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Chapter in Book or Paper in a Proceedings:

Singhal, S.P. and Kasliwal, R., 1991. Calibration of Conceptual Catchment Models, in Applied Water Resourcing Planning, P.V. Narasimha (Editor). Tata Mc Graw Hill Publishing Co. New Delhi.

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