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MESSAGE FROM EDITOR'S DESK

The present issue of IWRS Journal (Vol. 36, Number 1, January 2016) broadly covers researches pertaining to water quality, flood studies, rainfall-runoff modelling, application of RS & GIS in watershed management, sedimentation and modelling of some important hydrological soil properties. The first paper analyses Water Quality Index (WQI) using the standards of drinking water quality as recommended by WHO (2011), BIS (2012), and ICMR to quantify the overall groundwater quality status in Pratapgarh district (Uttar Pradesh). In the second paper, Log-Pearson Type III distribution, a statistical technique for fitting frequency distribution, has been used to predict the design flood for the Kosi river at its barrage site. In the third paper, hydrologic response of the Takarla-Ballowal watershed located in Shivalik foot-hills (Punjab) has been studied based on morphometric analysis of the watershed using remote sensing and GIS. The study also demonstrates the usefulness of Remote Sensing and GIS in morphometric analysis for hydrologic response studies at watershed scale. Fourth paper presents a sensitivity analysis of the Storm Water Management Model (SWMM). The analysis finds the runoff curve number to be the most sensitive parameter. The fifth paper investigates the potential of support vector machines based regression approach to predict the efficiency of tunnel type silt ejector using the data obtained from model study. In the last paper, models were developed to estimate soil moisture retention limits and saturated hydraulic conductivity for the sandy soil of paddy fields situated in the vicinity of Nirjuli, District Papumpare (Arunachal Pradesh).



It is hoped that the current issue of IWRS would be very useful to all concerned individuals working in the area of water sector.

(S.K. Mishra)

Journal of Indian Water Resources Society

Volume 36

Number 1

January, 2016

CONTENTS

	Page
1. Assessment of water quality Index of Pratapgarh District of Uttar Pradesh, India Samrath Singh, Amitava Rakshit and Sivaranjani S.	1
2. Flood Frequency Analysis for Kosi River at its Barrage Site Radha Krishan and L. B. Roy	10
3. Hydrologic Response of Takarla-ballowal Watershed in Shivalik Foot-Hills Based on Morphometric Analysis using Remote Sensing and GIS N. L. Kushwaha, Anil Bhardwaj and V. K. Verma	17
4. Sensitivity Analysis of Storm Water Runoff Management Model Aakanksha Shukla, S.K. Mishra, U.C. Chaube	26
5. Support Vector Regression based Modelling of Trapping Efficiency of Silt Ejector B.K. Singh, N.K. Tiwari and K.K. Singh	41
6. Models to Estimate Soil Moisture Retention Limits and Saturated Hydraulic Conductivity P.P. Dabral and Pankaj Kumar Pandey	50

Journal Article:

Rao, S.S., 1979. "Flood Control Regulation of Reservoirs", Journal of Indian Water Resources Society, 11(2), 19-26

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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