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# Journal of Indian Water Resources Society



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# **JOURNAL OF INDIAN WATER RESOURCES SOCIETY**

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The Indian Water Resources Society (IWRS) is a multi-disciplinary organization dedicated to the advancement of the science and technology of water resources development and management. The IWRS Journal publishes original papers on scientific, engineering and socio-economic aspects that are clear, concise and presented in a style readily understood by an international audience. Before publication, the papers are reviewed by the Editor/reviewers. Detailed instructions for preparing manuscripts are included in the following. A review of previous issues will be helpful in organizing the manuscript.

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### **PREPARATION OF MANUSCRIPT**

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The title should be short, informative and should clearly reflect the content of the paper. The title should not exceed 15 words in length. Terms like Preliminary Investigations, Contributions to, Studies on etc., should be avoided.

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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**

The present issue of IWRS Journal (Vol. 38, No. 1, January 2018) broadly covers researches pertaining to GCM based streamflow modelling, infiltration, unit hydrograph, drought, rainfall analysis, water budgeting and rainwater harvesting, etc. The first paper investigates the climate change impact on streamflow in the Brahmani and Baitarani river basins in India with multi-climate models and multi-emission scenarios approach utilizing facilities of Arc SWAT hydrological model. The second aims at to evaluate the performance of infiltration models used to estimate infiltration rates of soils in different locations of Hisar and Kurukshetra (Haryana). In subsequent paper, a simplified two-parameter gamma distribution (2-PGD) has been employed to obviate the erratic oscillations frequently observed in the recession part of the conventional S-curve-derived desired-duration unit hydrograph (UH). Subsequent to this paper, meteorological drought has been modelled using SPI at 3-, 6-, 12-month time scales for central Brahmaputra valley of Assam. In another subsequent paper, uncertainty and erratic distribution of rainfall were analyzed at small catchment scale as it plays a vital role in agriculture growth and sustains the natural resources in a watershed. In the last paper, water budgeting has been carried out, and rain water harvesting potential estimated for a typical revenue village comprising of mainly 5 sub-villages of District Haridwar (Uttarakhand). To this end, a door to door survey was conducted to collect the essential data on village amenities for this study.



It is hoped that the current issue of IWRS would be very useful to all concerned individuals working in the area of water sector. In addition, IWRS encourages to accept papers in varied fields of water resources including the fields of civil engineering dealing with planning/design of hydraulic structures, construction techniques, hydropower, irrigation management, hydrology, social sciences, environmental sciences, water governance, and/or any other aspect related to water.

(S.K. Mishra)

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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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