

Special Issue

Geographic Information Systems (GIS) Techniques and Applications for Sustainable Water Resources Management in Agriculture

Message from the Guest Editors

This Special Issue highlights how GIS empowers hydrologists and water managers to address complex water resource issues in agriculture. By harnessing the power of spatial data analysis, stakeholders can ensure the sustainable use of water resources, promote crop productivity, and safeguard the future of agriculture in a water-scarce world. Papers proposing innovative GIS techniques used to address the aforementioned topics and articles dealing with the application of GIS techniques to specific case studies are welcome.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. *Hydrology* has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems. The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

Editor-in-Chief

Prof. Dr. Ezio Todini

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