

Special Issue

The Sustainable Water Management and Food Production Nexus for Global Development in the Past, Present and Future

Message from the Guest Editors

The creation, maintenance and development of sustainable water management as well as food security systems have been fundamental and vital challenges for human development throughout history and remain so today. Worldwide prospects of climate change and variability, droughts, rising sea levels and lack of freshwater call for the development of new strategies.

This volume invites papers discussing how past, present and future modes of water management, technologies, understanding of hydrological complexities and food production strategies have either advanced or limited development of human societies. Thus, this Special Issue welcomes studies of how societies throughout the Anthropocene—and beyond—have either succeeded or failed to build successful sustainable strategies and principles for sustainable water management systems, which form the precondition for sustainable food systems. In addition, discussions of past, present and future food systems and food security designs would fit nicely into this context.

Guest Editors

Dr. Jens Krasilnikoff

Dr. Vasileios Tzanakakis

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Deadline for manuscript submissions

closed (31 March 2024)



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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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Author Benefits

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(Oceanography)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.9 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).