Special Issue

Hydrology and Water Management in Agricultural Landscapes

Message from the Guest Editor

Hydrology and water management in agricultural landscapes are complex and are supported by multidisciplinary efforts. These studies require large amounts of spatial and temporal data from many sectors. The scientific community has responded by advancing critical aspects of water movement, distribution, and quality. These advancements have been achieved by developing hydrologic models, understanding soil/plant/evapotranspiration dynamics, creating in situ observation networks, and improving remote sensing methods, to name a few. For this Special Issue, contributions are solicited from basic science to addressing the following subject areas:

- Hydrologic modeling for accounting and forecasting;
- Sediment and nutrient transport off agricultural landscapes;
- Surface and subsurface drainage;
- Climate resiliency in agricultural landscapes;
- Cultivated soil health;
- Conservation practices' effectiveness and expansion;
- Storm water and waste water management;
- Wetlands and impoundments on the landscape;
- Remote sensing and GIS uses in agricultural landscapes;
- In situ monitoring and observation networks;
- Data mining and assimilation.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 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

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Author Benefits

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Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (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).