



Hydrological Modeling and Sustainable Water Resources Management

Guest Editors:

Dr. Pengxiao Zhou

Dr. Qianqian Zhang

Dr. Fei Zhang

Dr. Zoe Li

Deadline for manuscript
submissions:

20 January 2025

Message from the Guest Editors

Hydrological modeling and the sustainable management of water resources play a vital role in addressing the complicated challenges related to water availability, quality, and sustainability. For instance, hydrological models are essential for flood control, while the management of water resources facilitates sustainable socio-economic development.

This Special Issue welcomes contributions that push the boundaries of hydrological modeling and offer insights into the effective management of water resources. We encourage submissions that explore emerging trends such as machine learning, remote sensing, digital twins, and data assimilation techniques to enhance our understanding of hydrological processes. Additionally, studies of computer simulation, risk analysis, and decision support for water resources are welcomed. Complementing these topics, this Special Issue seeks to encompass the latest developments in environmental modeling and technology, delve into environmental management, and highlight the critical role of environmental impact and risk assessment.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and
Technology, Parthenope
University of Naples, Centro
Direzionale, Isola C4, 80143
Napoli, Italy
2. State Key Joint Laboratory of
Environment Simulation and
Pollution Control, School of
Environment, Beijing Normal
University, No. 19 Xijiekouwai
Street, Beijing 100875, China

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef,** and **other databases.**

Journal Rank: JCR - Q2 (*Environmental Sciences*) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Environments Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/environments
environments@mdpi.com
X@Environ_MDPI