Special Issue

Artificial Intelligence and Machine/Deep Learning for Hydro-Meteorological Forecasting

Message from the Guest Editors

The Special Issue aims to provide an outlet for high-quality peer-reviewed publications that implement state-of-the-art models and techniques that incorporate AI (artificial intelligence)- and ML (machine learning)-based methods to map, evaluate, and model hydro-meteorological forecasting, its monitoring, and their implications together, with the framing of newer hypotheses that can further our understanding of operative processes. *The Special Issue may include (without being limited to) the following themes:*

- Artificial intelligence in Hydro-meteorology;
- Data-driven approach for hydro-meteorological modelling;
- Machine and deep learning in micro-climate assessment;
- AI and machine learning for weather predictions;
- Spatio-temporal hydrological extremes through AI and machine learning;
- Machine learning for weather and climate;
- Monitoring hydrological hazards through remote sensing, GIS and machine learning;
- Artificial intelligence for disaster risk reduction;
- Potential of deep learning in multi-hazard assessment.

Guest Editors

Dr. Quoc Bao Pham

Dr. Sk Ajim Ali

Dr. Sani Isah Abba

Dr. Rana Muhammad Adnan Ikram

Deadline for manuscript submissions

closed (25 March 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/149094

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI