# **Special Issue**

# Hydro-Meteorology and Its Application in Hydrological Modeling

### Message from the Guest Editors

This Issue will discuss a range of practical applications related to floods, droughts, flow control, environmental impacts, and water resources. The topics of research include (but are not limited to) those listed below:

- Precipitation estimation from satellite precipitation products;
- Application and assessment of satellite precipitation products in hydrological modelling;
- Extreme events;
- Improved evapotranspiration estimation;
- Monitoring of soil moisture using satellite products;
- Flood modeling;
- Agricultural water management and conservation;
- Quantification of uncertainty in hydrological modelling;
- Climate change impact: mitigation and adaptation;
- Applications of machine learning (ML) in hydrometeorology.

Prof. Dr. Jarbou A. A. Bahrawi

### **Guest Editors**

Dr. Khalil Ur Rahman

Prof. Dr. Amro Mohamed Elfeki

Prof. Dr. Jarbou A. Bahrawi

Dr. Muhammad Shahid

Dr. Shuai Chen

### Deadline for manuscript submissions

closed (1 September 2023)



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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

#### Editor-in-Chief

Prof. Dr. Steve W. Lyon

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