

## Special Issue

# Analysis of Extreme Hydrometeorological Events

### Message from the Guest Editors

Extreme hydrometeorological events, causing severe impacts in terms of injuries, casualties, and socio-economic losses, are being reported more and more frequently all over the world. Climate variability and anthropogenic changes amplify the impacts of these events.

The aim of this Special Issue is to showcase studies addressing challenges in monitoring, modeling, forecasting, and assessing the impacts of hydrometeorological hazards. We welcome both research papers and technical notes on the analysis of hydrometeorological extreme events at local, catchment, and global scales.

Studies may focus on: (i) the description of recent relevant extreme hydrometeorological events, accompanied by analyses of spatio-temporal features and trends; (ii) the estimation and projection of the impacts of climate change and land-use transformations on the occurrence and severity of hydrometeorological extreme events, with associated uncertainties; (iii) the integration of remote sensing data or climate forecasts and models to provide timely warnings or reliable predictions; (iv) the use of advanced statistical methodologies to characterize extreme hydrometeorological events, among others.

---

### Guest Editors

Dr. Brunella Bonaccorso

Department of Engineering, University of Messina, Villaggio S. Agata, 98166 Messina, Italy

Dr. David J. Peres

Department of Civil Engineering and Architecture, University of Catania, 95125 Catania, Italy

---

### Deadline for manuscript submissions

closed (31 December 2021)



## Resources

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.2



[mdpi.com/si/43024](https://mdpi.com/si/43024)

### *Resources*

Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[resources@mdpi.com](mailto:resources@mdpi.com)

[mdpi.com/journal/  
resources](https://mdpi.com/journal/resources)





# Resources

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.2



[mdpi.com/journal/  
resources](https://mdpi.com/journal/resources)



## About the Journal

### Message from the Editor-in-Chief

Responsible prosperity is underpinned by sustained access to resources. *Resources*, publishes excellent science and scholarship which transforms understanding, practices and policies for conserving all natural resources—from water, land and air; to plant and animal biodiversity; to minerals and energy and their interconnection across scales. Significantly, we invite high quality submissions from natural and social sciences.

Build impact from your research by submitting to *Resources*, an open-access journal connecting you with data, insights, ideas and evidence needed to shape a better world.

---

### Editor-in-Chief

Prof. Dr. Benjamin McLellan

Graduate School of Energy Science, Kyoto University, Yoshida-honmachi, Sakyo-ku, Kyoto 606-8501, Japan

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, PubAg, AGRIS, RePEc, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1  
(Nature and Landscape Conservation)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 24.6 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).