

## Special Issue

# Multicriteria Decision Making for Sustainable Holistic Flood Risk Assessment and Mitigation

### Message from the Guest Editors

Multicriteria Decision-Making (MCDM) is a comprehensive framework that includes various methods for structuring, evaluating, and classifying alternative solutions based on multiple criteria. In modern risk analysis, risk is no longer considered solely in probabilistic terms; it is now recognized as a multidimensional concept, reflecting the complexity and diversity of potential impacts. Furthermore, MCDM enables the effective prioritization and ranking of flood risk mitigation measures. A key challenge in its application remains the management of complexity and uncertainty, which are intrinsic to environmental and climate-related decision-making. Additionally, selecting appropriate weight vectors and synthesizing multiple criteria require careful consideration. Emerging techniques may facilitate the incorporation of knowledge from diverse stakeholders, even if their input is semi-qualitative. Overall, MCDM can improve the decision-making process by making it more integrated, transparent, and justifiable. We look forward to receiving your contributions.

---

### Guest Editors

Dr. Mike Spiliotis

Department of Civil Engineering, School of Engineering, Democritus University of Thrace, 67100 Xanthi, Greece

Dr. Nerantzis Kazakis

Department of Geology, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

---

### Deadline for manuscript submissions

31 July 2026



Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/245869](https://mdpi.com/si/245869)

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

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





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



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



# About the Journal

## Message from the Editor-in-Chief

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

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

## Author Benefits

### Open Access:

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

### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)