

Special Issue

Multi-Hazard Risk Assessment: Frameworks, Tools, and Case Studies

Message from the Guest Editors

Geohazards often impact temporal and spatial scales, generating systemic risks whose losses can far exceed those of individual events. Despite growing recognition of these challenges, conventional single-hazard risk assessment approaches remain inadequate for capturing the complex interactions, feedback mechanisms, and systemic risks inherent in multi-hazard situations. Addressing these gaps requires unraveling cascading mechanisms, and developing integrated assessment frameworks and innovative analytical tools. To formulate strategies that explicitly account for interconnected risks, insights from empirical case studies are needed to support more anticipatory and resilient decision-making in risk mitigation and management. We welcome submissions of original research articles and comprehensive review papers on topics including, but not limited to:

- Cascading processes and mechanisms of hazard interaction
- Risk identification and susceptibility assessment
- Hazard assessment in multi-hazard environments
- Exposure, vulnerability, and resilience
- Frameworks for multi-hazard risk assessment
- Analytical tools, models, and digital platforms
- Impacts of climate change on multi-hazard dynamics

Guest Editors

Dr. Ye Li
Prof. Dr. Kunlong Yin
Dr. Qin Chen

Deadline for manuscript submissions

30 April 2027



GeoHazards

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 2.6



mdpi.com/si/280584

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

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





GeoHazards

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 2.6



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



About the Journal

Message from the Editor-in-Chief

Editors-in-Chief

Prof. Dr. Zhong Lu

Roy M. Huffington Department of Earth Sciences, Southern Methodist University, Dallas, TX 75275, USA

Prof. Dr. Tiago Miguel Ferreira

Instituto Superior Técnico (IST), University of Lisbon, Av. Rovisco Pais, 1049-001 Lisbon, Portugal

Author Benefits

Open Access:

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

High Visibility:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.9 days after submission; acceptance to publication is undertaken in 4.7 days (median values for papers published in this journal in the first half of 2026).