

Special Issue

Advances in Applied Wildfire Research

Message from the Guest Editor

Wildfires are major ongoing worldwide natural hazard. Urban development and a changing climate are exposing increasing numbers of people, homes and infrastructure worldwide to the risk and impacts of these events. However, ongoing developments in simulation and modeling, remote sensing, data gathering and geospatial intelligence are increasing our ability to understand these events, as well as guide operational wildfire management, recovery and resilience. The abundance of readily available cloud-based computing resources can provide detailed information on wildfires allowing strategies to be developed for their control, management and prevention. This SI covers these themes, with a focus on the latest techniques in wildfire observation, data processing, machine learning, simulation and risk analysis under changing regimes, as well as interrelations between these disciplines and the subsequent impact and outcomes for future wildfires. For more information, please view the following link: https://www.mdpi.com/journal/geohazards/special_issues/applied_wildfire

Guest Editor

Dr. James Hilton
Data61, CSIRO, Melbourne, Australia

Deadline for manuscript submissions

closed (30 April 2023)



GeoHazards

an Open Access Journal
by MDPI

Impact Factor 1.6
CiteScore 2.2



[mdpi.com/si/125164](https://www.mdpi.com/si/125164)

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

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





GeoHazards

an Open Access Journal
by MDPI

Impact Factor 1.6
CiteScore 2.2



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



About the Journal

Message from the Editorial Board

Editors-in-Chief

Prof. Dr. Zhong Lu

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

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 17.2 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).