

Special Issue

Remote Sensing in Fire Management: Current Challenges and Future Directions

Message from the Guest Editors

Remote sensing plays a crucial role in fire management by providing vital data for monitoring, modeling, and decision-making processes related to wildfires. Here are some current challenges and future directions in this field:

- Data Resolution and Availability
- Real-Time Analysis
- Data Interpretation
- Fire Behavior Modeling
- Integration with Ground Data
- Environmental and Ecological Impact Assessments

This Special Issue invites submissions for papers that cover all elements of data resolution and analysis/interpretation, as well as advanced artificial intelligence-based fire detection systems. Topics of interest include, but are not limited to, the following:

- Advanced Sensors and Platforms
- Artificial Intelligence and Machine Learning
- Integrated Data Platforms
- Improved Modeling Techniques
- Community and Stakeholder Engagement
- Policy Development and Collaboration

We look forward to receiving contributions that address these challenges and explore future directions.

Guest Editors

Dr. Houda Harkat

Dr. José M. P. do Nascimento

Dr. João Pedro Matos-Carvalho

Dr. Hasmath Farhana Thariq Ahmed

Deadline for manuscript submissions

14 December 2026



Fire

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 3.9



mdpi.com/si/241208

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

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





Fire

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 3.9



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



About the Journal

Message from the Editor-in-Chief

Fire is an international open-access journal about the science, policy, and technology of fires and how they interact with communities and the environment. *Fire* seeks to provide a forum to help the fire science community convey how we can live with fire in a changing world. *Fire* seeks submissions from interdisciplinary studies that take a pyrogeography perspective of fires occurring in natural, cultural, and industrial landscapes and how they interact with communities in the science-policy interface. *Fire's* Editorial Board are widely recognized international leaders. The journal emphasizes quality and innovation and has a rigorous peer-review process. I strongly recommend *Fire* for the rapid publication of your innovative research publications and case studies.

Editor-in-Chief

Dr. Grant Williamson
School of Biological Sciences, University of Tasmania, Private Bag 55,
Hobart, TAS 7001, Australia

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), AGRIS, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)