

Special Issue

Hydrogen Safety: Challenges and Opportunities

Message from the Guest Editor

I would like to extend a warm invitation to those exploring the intersection between hydrogen safety and combustion and fire science in our Special Issue. Hydrogen, a promising clean energy source, offers storage for renewable energy sources and plays a crucial role in achieving net-zero emissions. However, hydrogen's flammability poses safety challenges. Mathematical modelling and simulation are vital to mitigating the risks encountered in hydrogen applications. This Special Issue will provide valuable insights for researchers, engineers, and policymakers working on hydrogen energy technologies. We invite original research, reviews, and letters on combustion and fire science, in order to foster knowledge exchange, advance hydrogen safety and enable the widespread adoption of this transformative energy solution.

Guest Editor

Dr. Javad Mohammadpour

Australian Maritime College, University of Tasmania, Launceston, TAS
7250, Australia

Deadline for manuscript submissions

closed (30 September 2025)



Fire

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 3.9



mdpi.com/si/174957

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)