

## Special Issue

# Confined Space Fire Safety and Alternative Fuel Fire Safety

### Message from the Guest Editors

This Special Issue focuses on the critical areas of confined space fire safety and the emerging challenges posed by alternative fuels. It brings together cutting-edge research, practical insights, and innovative solutions to enhance fire safety in confined environments and address the unique hazards associated with alternative fuel sources. This issue explores advancements in fire prevention, detection, and suppression strategies tailored for confined spaces, considering the specific risks and limitations these environments present. Additionally, it delves into the fire behavior and suppression techniques for alternative fuels, such as biofuels, hydrogen, and electric vehicle batteries, highlighting the need for adapted fire safety protocols and firefighter training. By presenting a comprehensive analysis of these topics, this Special Issue aims to contribute to the development of safer practices, standards, and technologies for mitigating fire risks in confined spaces and managing the evolving challenges of alternative fuel fire safety.

---

### Guest Editors

Dr. Peng Lei

Dr. Yulun Zhang

Dr. Jie Chen

Dr. Qi Zhao

---

### Deadline for manuscript submissions

closed (31 December 2025)



## Fire

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 3.9



[mdpi.com/si/213144](https://mdpi.com/si/213144)

*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)