

Special Issue

Fire Extinguishing Agent and Application

Message from the Guest Editors

From the prohibition of halon extinguishing agents due to ozone layer destruction, to the limited use of fluorinated foam extinguishing agents in recent years due to the persistence and toxicity of their important component, perfluorooctane sulfonate (PFOS), fire extinguishing agents have been developing in the direction of ensuring safety and efficiency while being environmentally friendly. In the field of liquid fire, various new types of foam extinguishing agents to replace PFOS-containing foam extinguishing agents have become a research hotspot. In other, different fire extinguishing applications, the research on ultrafine dry powder, fine water mist, clean gas extinguishing agents, and other research has also ushered in breakthrough progress. The Special Issue aims to update the latest research progress in and application of fire extinguishing agents, analyze the fire extinguishing mechanisms of different high-efficiency fire extinguishing agents, and promote the development of new high-efficiency and clean fire extinguishing agents for different applications. In addition, papers on efficient fire extinguishing technology and equipment are also desirable.

Guest Editors

Dr. Qian Li

Dr. Jin Lin

Dr. Mingjun Xu

Dr. Youjie Sheng

Deadline for manuscript submissions

closed (31 October 2025)



Fire

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 3.9



mdpi.com/si/163999

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)