

# Special Issue

## LiB Fire

### Message from the Guest Editors

Lithium-ion batteries are the most prevalent devices for electrochemical energy storage due to their high energy density and specific energy, as well as environmentally friendly and sustainable characteristics. However, one of the primary remaining concerns, battery safety, has always been placed in a subordinate position without being paid enough attention; thus, this has resulted in hazardous events in automobiles, aircraft, and energy storage, all of which had hindered the further application of lithium-ion batteries. In this Special Issue, we seek articles associated with lithium-ion batteries dealing with thermal runaway and propagation mechanisms, fire and explosive dynamics, as well as fire detection and suppression. Moreover, articles dealing with heat generation, gas generation during thermal runaway, thermal management to weaken battery temperature, fire assessment in production, transportation, and storage, and usage assessments of lithium-ion batteries are also highly desirable. Articles using both experimental and modelling approaches are very much welcome.

---

### Guest Editors

Prof. Dr. Qingsong Wang

Prof. Dr. Depeng Kong

Dr. Kaiqiang Jin

---

### Deadline for manuscript submissions

closed (31 October 2023)



## Fire

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 3.9



[mdpi.com/si/85054](https://mdpi.com/si/85054)

*Fire*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[fire@mdpi.com](mailto:fire@mdpi.com)

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





# Fire

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
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)