Special Issue

Fire and Combustion in Microgravity

Message from the Guest Editors

Combustion, flame and smoke characteristics under micro-gravity conditions have attracted an extensive and worldwide research interest. In manned aircraft, such as space stations, under micro-gravity conditions, i.e., the disappearance of normal gravity, combustion behavior, flame structure, smoke particle morphology and size distribution behave differently to how they would under terrestrial conditions. Fire is prone to occur in microgravity, and fire suppression resources are scarce in the aircraft.

In this Special Issue, we seek articles that address experimental, numerical and theoretical fire and combustion dynamics in microgravity, as well as fire detection and suppression methods. Especially, innovative research, including new experimental facilities and findings, advanced fire prevention and protection technology is very much welcome.

Guest Editors

Dr. Jun Fang

Dr. Qiang Wang

Dr. Feng Zhu

Prof. Dr. Feng Guo

Deadline for manuscript submissions

closed (31 January 2024)

Fire

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 3.9

mdpi.com/si/115820

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

mdpi.com/journal/fire

Fire

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 3.9

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)

MDPI