fire

an Open Access Journal by MDPI

IMPACT FACTOR 2.7

CITESCORE 3.9

Turbulent Combustion Modelling, Experiment and Simulation

Guest Editors:

Dr. Yongzheng Yao

Dr. Jinlong Zhao

Dr. Qiang Wang

Prof. Dr. Zihe Gao

Deadline for manuscript submissions:
closed (31 March 2023)

Message from the Guest Editors

Turbulent combustion is the main combustion form of natural fires. As a basis of fire science research, it is closely related to fire evolution, flame behavior, thermal radiation, air entrainment, toxic gas generation, smoke diffusion and other problems. This fire behaves variably, experiencing a combustion from laminar to turbulent. Fully turbulent combustion in large-scale fires is closer to a real fire scenario.

Therefore, we are pleased to invite researchers from all over the world to investigate the dynamic behaviors of turbulent combustion in any fire scenario, such as industrial fires, building fires, tunnel fires, etc. Fully turbulent combustion in large-scale fires is of key concern. This Special Issue wishes to provide insights into the frontiers of the latest progress in fire safety science and engineering issues relevant to turbulent combustion, especially to establish some prediction models of fire characteristic parameters based on experiment, simulation and theoretical analysis, which can serves for fire monitoring and warning. This Special Issue also focuses on advanced methods and techniques for fire control and suppression.

fire

IMPACT FACTOR 2.7

CITESCORE 3.9

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Grant Williamson
School of Biological Sciences, University of Tasmania, Private Bag 55, Hobart, TAS 7001, Australia

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.

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)

Contact Us

Fire Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/fire
fire@mdpi.com
𝕏@Fire_MDPI