Special Issue

Aircraft Fire Safety

Message from the Guest Editors

Aircraft fire safety is an important subject of aviation safety. The wide application of composite materials, fuels & electronic equipment has increased its complexity & threat. In extreme environments, there are many challenges in fire evolution mechanisms, detection & suppression, flame-retardant performance of materials, etc. The SI aims to explore new ideas of fire dynamics, detection & suppression, fire performance of airframe materials, fire accident investigations & emergency responses. It is including but not limited to:

- Fire dynamic, heat & mass transfer under special fire environments
- Fire experiment, modeling & CFD simulations
- Aircraft fuel fires
- New halon replacement method of fire suppression
- Intelligent, multi-method fire detection & risk assessment
- Effects of ambient pressure, ventilation & temperature on fire behaviors, detection & suppression
- Airworthiness verification methods for fire protection & suppression
- Evacuation experiments, models & simulations
- Emergency response strategies & accident investigation techniques
- Materials flammability & flame-retardant performance evaluation

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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/227318

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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

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