Special Issue

Advanced Fire Suppression Technologies

Message from the Guest Editors

Fire safety is a critical concern across various sectors, including urban planning, industrial operations, and environmental protection. Traditional fire suppression methods, while effective in many scenarios, often fall short in addressing complex fire scenarios, such as high-rise building fires, wildfires, and fires involving flammable liquids or gases. Moreover, the environmental impact of certain suppression agents, such as halons and fluorinated foams, has driven an urgent need for sustainable and eco-friendly alternatives. This Special Issue aligns with the scope of the *Fire* journal, which focuses on fire safety science, fire dynamics, fire protection engineering, and related interdisciplinary topics. The goal is to compile at least 10 high-quality articles that explore innovative approaches to fire suppression, including the development of environmentally friendly firefighting agents, advanced firefighting systems, and technologies for extreme environments. We aim to provide a comprehensive resource for researchers, practitioners, and policymakers working to mitigate fire risks in both urban and natural settings. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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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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