Special Issue

Fundamental Research and Case Studies on Clean and Efficient Fire Suppression Technologies

Message from the Guest Editors

Water mist, water spray, and other clean agents have gained prominence as Halon alternatives, seeing widespread use in industrial, urban, and forest fire prevention and control. For instance, water mist fire suppression technology has proven effective in the early treatment of forest fires and confined-space fires, as well as in addressing the growing challenges of electrochemical energy storage, power battery, and aviation fires. Despite the extensive application of these clean and efficient fire suppression technologies, there is a need for a deeper understanding of them through fundamental research and case studies. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Clean and efficient fire extinguishing technologies
- Fire safety
- Fire suppression
- Water mist
- Water spray
- Halon alternatives
- Multiphase measurement
- Forest fire suppression
- Urban fire suppression
- Fire prevention and suppression for new energy power equipment
- Industrial fire suppression

We look forward to receiving your contributions.

Guest Editors

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Fire

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Impact Factor 2.7
CiteScore 3.9

mdpi.com/si/247693

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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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