Special Issue

Understanding and Managing Extreme Wildland Fires

Message from the Guest Editors

This Special Issue "Understanding and Managing Extreme Wildland Fires" will focus on topics including pyro-cumulonimbus formation, ember generation, transport and storms, fire whirls, fire tornados, eruptive fire, vortex-driven lateral spread, and fire merger with a view to developing an improved knowledge of the hazards, which can inform fire management strategies. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Case studies or data-driven empirical studies of extreme fire events around the globe;
- Numerical simulation or empirical studies of the phenomena driving extreme wildfire events (pyrocumulonimbus formation, ember storms, vorticial fire events, eruptive fire, and merger);
- Development of models or correlations, including machine-learning models, for the prediction of extreme fire behaviour;
- Proposed strategies for improving the operational management of extreme wildfires and post-fire management.

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

Dr. Grant Williamson
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