

Special Issue

Advanced Approaches to Wildfire Detection, Monitoring and Surveillance

Message from the Guest Editors

We are pleased to invite you to submit a paper to the Special Issue of the journal *Fire*. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Wildfire detection, monitoring and surveillance in wildland–urban interfaces (WUIs);
- Fire detection and monitoring in open-space areas, such as disposal sites, garbage dumps, warehouses, marinas, dry-land marinas, harbors, parking places, etc.;
- Wildfire video-based detection, monitoring and surveillance, including model-based, data-driven and learning-based approaches;
- Wildfire detection and monitoring via satellite and aerial remote sensing systems;
- Wildfire detection validation and testing;
- Preparation and presentation of databases for wildfire detection training, validation and testing;
- Post-fire monitoring of burned areas and their analysis;
- Integration of wildfire video monitoring with other advanced methods such as the Internet of Things (IoT) and/or Crowdsourcing;
- Integration of wildfire monitoring and surveillance with advanced ICT systems.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2025)



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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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