

Special Issue

Advances in Decision Support for Urban Fire Risk Management and Policy Formulation

Message from the Guest Editors

Urban fire disasters—from residential structure fires to high-rise and mixed-use building incidents, pose growing threats to life, property, and the resilience of densely populated communities. As cities expand vertically and spatially, fire risks become more complex, requiring evidence-based and data-driven approaches to prevention, emergency response, and governance. This Special Issue focuses on fire challenges in urban and built environments, strengthening the link between research and operational decision-making in fire services, urban planning, and public safety policy. We invite original, interdisciplinary contributions developing or applying decision support systems and analytical tools for urban fire management. Topics include spatio-temporal fire risk modeling; emergency response accessibility and equity; fire station and resource optimization; public safety behavior and evacuation; governance for high-rise, informal, or aging infrastructure; applications of machine learning, agent-based modeling, and big data for scenario simulation and policy evaluation. Manuscripts must demonstrate practical implications, methodological rigor and relevance.

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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