

Special Issue

Fire Risk Management and Emergency Prevention

Message from the Guest Editors

Fire accidents remain a major concern, with significant impacts on lives and economies. In 2024 alone, China reported 908,000 fires, resulting in 2,001 fatalities and economic losses of 7.74 billion RMB. Effectively managing fire risks and preventing emergencies are complex tasks that require comprehensive strategies. The rise of digital intelligence technologies, such as artificial intelligence and big data, offers innovative tools to enhance fire safety. This Special Issue focuses on advancing theories, technologies, and equipment for fire risk management and emergency prevention, with an emphasis on digital and intelligent solutions. It covers a broad scope, including residential, commercial, and industrial fire scenarios. We welcome original research and reviews on topics such as fire risk assessment, prediction technologies, emergency prevention equipment, digital rescue tools, intelligent firefighting systems, safety training, AI-driven surveillance, and related areas. Submissions should contribute to the development of smarter, more effective fire safety practices.

Guest Editors

Dr. Xuecai Xie

Dr. Xueming Shu

Prof. Dr. Haowei Yao

Dr. Jun Hu

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Fire
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fire@mdpi.com

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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

School of Biological Sciences, University of Tasmania, Private Bag 55,
Hobart, TAS 7001, Australia

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