

Special Issue

Mine Fires and Explosions

Message from the Guest Editors

Fire and explosion are the main types of disaster that occur in mines, including coal spontaneous combustion, external fire and gas explosion. Great progress has been made in coal spontaneous combustion prediction, fire-area detection, fire-control technology and materials and standardization system construction. The major coal-producing countries, such as China, the USA and Australia, attached great importance to the research, development, and application of disaster emergency rescue technology and equipment in mines, and have made considerable progress in emergency communication, personnel positioning, remote detection in disaster areas, construction of escape routes, accident emergency and auxiliary decision-making, airflow regulation, and escape guidance after a disaster. It aims to cover recent developments in occurrence mechanisms, new techniques and equipment, safety management and risk assessment, emergency rescue theories and technologies for the control of mine fires and explosions. The submitted papers should clearly show novel contributions and innovative applications of how science can support any of the following fire-related topics.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2023)



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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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