Special Issue

Mine Fire Safety and Ventilation Control

Message from the Guest Editor

One of the most serious risks for the mining industry operation is fires. They can be triggered by a range of causes, such as spontaneous combustion, electrical sparks, heat from friction, ignition by machinery, or mishandling of flammable substances. Underground fires can disrupt ventilation by causing pressure imbalances, creating airflow reversals, and increasing airway resistance. Proper ventilation also plays a crucial role in fire safety and emergency response in underground mines. It helps remove smoke and heat generated by a fire to the surface. Finally, mine ventillation creates safer conditions for evacuation and rescue operations. We cordially invite the submission of articles addressing mine fires and ventilation control in mining operations. Relevant subject areas include, but are not limited to, the following:

- Fires in underground mines
- Spontaneous combustion of coal
- Mine equipment fires
- Fire control and extinguishing
- Rescue operations in mines
- Design of fires in underground mines
- Emergency fire response plans
- Simulations of mine fires in ventilation systems

Guest Editor

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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

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