



fire



an Open Access Journal by MDPI

Fire/Explosion Risk Assessment and Loss Prevention of Hazardous Materials, Mines and Natural Gas

Guest Editors:

Dr. Chuyuan Huang

School of Safety Science and
Emergency Management, Wuhan
University of Technology, Wuhan
430070, China

Dr. Haipeng Jiang

Department of Chemical
Machinery and Safety
Engineering, Dalian University of
Technology, Dalian 116024,
China

Dr. Lijuan Liu

School of Safety Science and
Emergency Management, Wuhan
University of Technology, Wuhan
430070, China

Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

Dear Colleagues,

With the continuous and rapid development of industrialization, the safety risks of traditional high-risk industries, such as hazardous materials and mines, are constantly increasing. For the prevention and control of hazardous materials, natural gas, and the environment of mines, there is an urgent need to promote research in theories or technologies related to fire/explosion risk monitoring, early warning systems to anticipate disasters, and real-time decision-making. This Special Issue aims to contribute to the knowledge and understanding in signal monitoring in relation to hazardous materials, natural gas, and mines; pattern recognition of disaster-causing factors; real-time status perception; accurate determination of fire/explosion hazards; theoretical risk early warning; and technical safety protection.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- hazardous materials, mine, natural gas
- fire and explosion
- risk assessment
- monitoring and early warning
- safety precautions



mdpi.com/si/174074

Special Issue