# Special Issue

# Advance in Tunnel Fire Research

### Message from the Guest Editors

All kinds of tunnels are emerging all over the world due to the modern architectural trends. Although the development of tunnel brings convenience to people's life, tunnel fire often leads to tunnel structure damage and a large number of casualties. Currently in recent years, the diversity of tunnel fires have brought up advanced and unique challenges to tunnel fire safety, making the relevant research in general necessary. This Special Issue aims to highlight the original findings regarding to the tunnel fire, and the potential perspectives for future investigations are also encouraged. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Fire and smoke transport mechanism
- Thermal effect on structural safety
- Smoke control strategy
- Fire detection and suppression technology
- Human evacuation procedures
- The application of fire retardant materials in tunnels
- The combination of tunnel fire with AI technology

We look forward to receiving your contributions.

### Guest Editors

Dr. Kaihua Lu

Dr. Jianping Zhang

Dr. Jie Wang

Dr. Xiaochun Zhang

Dr. Wei Tang

### Deadline for manuscript submissions

closed (30 September 2024)

**Fire**

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**CiteScore 3.9**

mdpi.com/si/104508

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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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