



Risk and Resilience Analysis of Road Tunnels

Guest Editors:

Dr. Isidoro Russo

Department of Civil Engineering,
University of Salerno, 84084
Fisciano, Italy

Dr. Gianluca Genovese

Department of Civil Engineering,
University of Salerno, 84084
Fisciano, Italy

Prof. Dr. Ciro Caliendo

Department of Civil Engineering
(DICIV), University of Salerno,
84084 Fisciano, SA, Italy

Deadline for manuscript
submissions:

closed (1 March 2024)

Message from the Guest Editors

To meet the continuous growth in traffic demand, the number of road tunnels worldwide has increased day by day. The design of new road tunnels or the adaptation of existing ones to meet the minimum safety requirements is often the only solution to overcoming certain obstacles. However, this has raised many concerns among practitioners in the transport sector, particularly in relation to fire safety. In fact, several studies and tragic real events have shown that the occurrence of fires in tunnels can lead to significant economic losses and deaths due to their enclosed nature. Consequently, it is necessary to provide more in-depth scientific knowledge on fire safety in road tunnels. Risk analysis might be a useful tool for this purpose. Moreover, the occurrence of a fire in a road tunnel could cause its partial or complete closure, with consequences that might also extend along the nearby transportation network. The resilience of road tunnels, or more generally of the infrastructure containing them, is thus a crucial issue of economic and social interest. Therefore, this Special Issue focuses on risk and resilience analysis in the event of fires in road tunnels.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI