



Railway Infrastructure Resilience: Addressing Challenges and Ensuring Sustainability

Guest Editors:

Dr. André Paixão

Dr. José Nuno Varandas

Dr. Rosângela Motta

Deadline for manuscript
submissions:
closed (20 June 2024)

Message from the Guest Editors

This Special Issue aims to bring together state-of-the-art research and advancements in the field of railway infrastructure, tackle the challenges faced by this critical transport system, and ensure its long-term sustainability. Railways play a vital role in promoting economic growth and sustainable mobility, as well as in reducing carbon emissions. However, they face various challenges, including the impacts of climate change, technological advancements, population growth, and evolving user demands. With the increasing frequency and intensity of severe weather events, such as heatwaves, flash floods, blizzards, and other extreme climatic conditions, railway infrastructure is significantly affected, leading to operational and safety risks. This Special Issue seeks to explore innovative solutions, methodologies, and best practices to enhance the resilience and sustainability of railway infrastructure, ensuring its efficient operation, safety, and durability in the face of these challenges.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Pedro Arias-Sánchez

Applied Geotechnologies Group,
Department of Natural Resources
and Environmental Engineering,
School of Mining Engineering,
University of Vigo, 36310 Vigo,
Spain

Message from the Editor-in-Chief

You are invited to contribute a research article, review or short communication for consideration and publication in *Infrastructures* (ISSN 2412-3811). There is no restriction on the length of the papers. *Infrastructures* is published in open access format. The scientific community and general public have unlimited free access to the content as soon as it is published. *Infrastructures* is supported by the authors by the payment of article processing charges for accepted manuscripts. Please consider *Infrastructures* as an exceptional opportunity to publish your work.

Author Benefits

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

High Visibility: indexed within Scopus, ESCI (Web of Science), Inspec, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Civil*) / CiteScore - Q1 (Building and Construction)

Contact Us

Infrastructures Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/infrastructures
infrastructures@mdpi.com