

# Special Issue

## Railway Infrastructure Resilience: Addressing Challenges and Ensuring Sustainability

### 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.

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### Guest Editors

Dr. André Paixão

Dr. José Nuno Varandas

Dr. Rosângela Motta

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### Deadline for manuscript submissions

closed (20 June 2024)



# Infrastructures

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