

Special Issue

Sustainable Strategies for Enhancing Urban Resilience Against Disaster Risks

Message from the Guest Editors

In light of rapid urbanization and the growing demand for urban resilience, it is crucial to ensure the long-term safety, stability, and reliable operation of urban systems. Cities need to respond more quickly and effectively to anticipate and mitigate potential dangers.

The current knowledge highlights the need for a quantitative characterization and balanced regulation of disaster resilience of these systems. Despite significant advancements, there remain gaps in understanding the stochastic evolution behavior of urban infrastructure systems and the integration of intelligent operation and sustainable maintenance strategies. This Special Issue will focus on new theories and technologies in the field of intelligent operation and maintenance of infrastructure systems. To gather further insights into the intelligent operation and maintenance of infrastructure systems, we welcome articles addressing, themes including, but not limited to:

- Smart disaster prevention and mitigation
- Advanced numerical simulation of dynamic behavior of railway infrastructure
- Green construction and sustainable maintenance
- Smart planning and design

We look forward to receiving your contribution.

Guest Editors

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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