Special Issue

Disaster Resilience and Sustainability of Structures and Infrastructures

Message from the Guest Editors

The new theories, methods and technologies, as well as other research works that can improve the disaster resilience and sustainable performance of structure and infrastructure engineering, are welcome in this Special Issue. Topics may include but are not limited to:

- resilience assessment of structures and infrastructures:
- multi-disaster effects, including those from earthquakes, blasts, collisions, fires, wind, waves, floods and landslides, as well as multi-hazards;
- resilient structural systems, including the isolation system, low-damage system and rocking system;
- the use of high-performance material (including highstrength steel, high-strength reinforcement, highstrength concrete, UHPC and ECC) in structures and infrastructure engineering;
- the rapid repair method;
- service performance of structures and infrastructures in extreme environments (including marine environments, frozen soil environments and extremely low temperature environments);
- lifetime service performance of structures and infrastructure:
- data-driven and machine learning-based approaches to disaster resilience assessment.

Guest Editors

Dr. Junsheng Su

Prof. Dr. Xiaohui Yu

Dr. Yutao Pang

Dr. Xiyin Zhang

Deadline for manuscript submissions

closed (30 December 2023)



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Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

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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

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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