

Special Issue

Sustainable Risk Management and Resilient Infrastructure

Message from the Guest Editors

As natural and anthropogenic hazards intensify, managing risks sustainably and ensuring the resilience of infrastructure are critical emerging challenges. This Special Issue focuses on evaluating and managing the risks posed by hazards such as earthquakes, floods, extreme winds, and combined events, especially for structures, equipment, and interconnected systems. We aim to encourage interdisciplinary research which can be applied to clarify hazard interactions, structural and systemic fragilities, and resilience-based design. Submissions integrating probabilistic risk assessments, fragility modeling, resilience metrics, and risk-informed strategies are especially welcome. This Special Issue highlights the topics of engineering robustness, seismic safety, climate adaptation, and resilient infrastructure management. We invite submissions of original research and reviews from civil, structural, environmental, mechanical, nuclear, and systems engineering, as well as from experts in urban planning, infrastructure management, climate science, and disaster risk policy. Interdisciplinary submissions that bridge the fields of engineering, data science, and policy are encouraged.

Guest Editors

Dr. Seunghyun Eem

Dr. Shinyoung Kwag

Dr. Bub-Gyu Jeon

Dr. Jae-Wook Jung

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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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