

Special Issue

Data-Driven Approaches and Decision Support Tools for Sustainable and Resilient Infrastructure Systems

Message from the Guest Editors

We are pleased to invite contributions to a forthcoming Special Issue focused on “Data-Driven Approaches and Decision Support Tools for Sustainable and Resilient Infrastructure Systems”. As infrastructure systems face growing pressures from climate change, aging assets, and evolving societal needs, the integration of data analytics and computational tools is becoming increasingly critical for enabling adaptive, informed, and future-ready decision-making. This Special Issue will emphasize systems thinking and interdisciplinary modeling approaches in the development and application of data analytics and decision support tools for sustainable and resilient infrastructure systems. The collection aims to bridge disciplinary boundaries and connect theoretical advances with practical implementation. By foregrounding systems-oriented, data-driven frameworks, this Special Issue will highlight how interdisciplinary tools and methods can guide infrastructure design and management toward more adaptive, equitable, and sustainable outcomes in the face of evolving environmental, social, and technological challenges.

Guest Editors

Dr. Weiwei Mo

Department of Civil & Environmental Engineering, University of New Hampshire, Durham, NH 03824, USA

Dr. Fei Han

Department of Civil and Environmental Engineering, University of New Hampshire, Durham, NH 03824, USA

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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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