

Special Issue

Development of Monitoring, Maintenance and Sustainability Technics of Infrastructures, Including Bridge, Railway, and Other Structures

Message from the Guest Editors

Civil infrastructures are often subject to adverse factors such as aging, corrosion, vibration, and impact, which often result in structural damages, such as cracks, loss of stiffness, and reduced bearing capacity, and even structural failure if the early damages are not detected. Hence, the monitoring, analysis and maintenance technics of infrastructures are vital. Specifically, monitoring and analysis show the service state of structures and provide decision support for maintenance, which reduce the risk of failure. The purpose of this Special Issue is to systematically display the latest development of monitoring, maintenance and sustainability technics of infrastructures. Furthermore, this development is supported by multiple disciplines, such as sensing and artificial intelligence. We welcome scholars in various fields to discuss the current challenges in this community and welcome the emergence of new technologies to promote technological innovation and development. I look forward to receiving your contributions. Sincerely,

Guest Editors

Prof. Dr. Chunxu Qu

Dr. Runzhou You

Dr. Mingsheng Xue

Dr. Mengdi Jia

Deadline for manuscript submissions

closed (30 November 2025)



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CiteScore 8.9



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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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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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