

Special Issue

Intelligent Solutions for the Sustainability of Bridges and Structures—Second Edition

Message from the Guest Editors

Physical infrastructures, such as bridges, tunnels, and retaining walls, are prone to damage from disaster hazards, such as earthquakes, hurricanes, fires, impacts, and blast loadings. The failure of such infrastructures could lead to direct and indirect costs for the economy and society. Therefore, there is an urgent need to provide innovative and intelligent solutions for structural sustainability. An important theme under investigation is that of improving the structure's resistance during disasters via innovative materials, such as shape memory alloys (SMAs) and high-performance cementitious composites. Additionally, engaging intelligent solutions, such as smart health monitoring systems based on machine learning and computer vision, are also a promising approach for the maintenance of bridges and other infrastructures. This Special Issue is gathering articles that present innovative ideas on various aspects of sustainable structures and aims to explore the future of intelligent solutions, especially in the design, construction, and maintenance of bridges and other physical infrastructures.

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

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