

Special Issue

Artificial Intelligence and Sustainable Civil Engineering

Message from the Guest Editors

Artificial intelligence (AI), due to its capabilities in knowledge processing, pattern recognition, prioritization, and optimization, is among the leading techniques to solve complex engineering problems. AI methods provide a wide variety of benefits, including more sustainable solutions with improved accuracy and reliability while saving in cost, energy, time, as well as physical and human resources. AI has the potential to enhance sustainability by detecting damage and distress, predicting extreme weather conditions and natural hazards, enhancing automated systems, monitoring infrastructure conditions, developing predictive models, and helping towards greener transportation and engineering.

This Special Issue welcomes the latest findings, methodologies, and conceptual frameworks in the area of applications of AI to move towards sustainable engineering.

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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.

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