



Achieving Sustainability in Civil and Construction Engineering through Emerging Technologies

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Message from the Guest Editors

This Special Issue aims to contribute to the literature by presenting emerging technologies that can generate new knowledge for achieving sustainability in the civil and construction sector. We welcome contributions of original research and review articles in (but not limited to) the following areas:

- New technologies in evaluating the performance of new or existing construction materials.
- Structural health monitoring and nondestructive testing of aging civil structures through small-scale laboratory tests and/or full-scale field deployments.
- Computer vision, remote sensing, photogrammetry, and LiDAR applications in the construction industry.
- New developments in virtual, augmented, and mixed realities for construction site inspections, workforce training, and engineering education in construction.
- Tools, strategies, and methodologies that can achieve modernization and industrialization of construction, such as BIM, 3D printing, AI, IoT, Digital Twin.
- Novel numerical methods, experimental studies, and sensing technologies to mitigate civil structures against extreme natural disasters caused by earthquakes, strong winds, flooding, landslides.





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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. *Sustainability* publishes original research articles, review 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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