

Special Issue

Application of Emerging Technologies toward Eco-Efficient and Sustainable Construction Practices

Message from the Guest Editors

The construction industry has a significant impact on the environment, with high energy consumption, material waste, and greenhouse gas emissions. Emerging technologies offer promising solutions to address the current environmental challenges and improve the sustainability of construction. This Special Issue focuses on the application of emerging technologies in eco-efficient and sustainable construction practices that includes, but is not limited to, AI-based technologies and techniques, construction technology such as 3D printing and innovative construction materials that reduce waste and make construction projects potentially more efficient and sustainable. Considering this, this Special Issue opens avenues for scholars undertaking research on any aspect of construction projects during their lifecycle that result in more sustainable construction projects—including the use of AI in project scheduling, using emerging technology to mitigate transportation and material waste, using virtual/augmented/mixed reality towards a safer environment to name a few, to prudently disseminate their findings.

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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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