

Special Issue

Net-Zero Built Environments: Decarbonization via Digital Tools, Design & Landscape Sustainability

Message from the Guest Editors

This Special Issue aims to explore how green building strategies are evolving through the integration of digital tools, sustainable technologies, and innovative planning techniques to meet global net-zero and decarbonization goals. As climate-responsive design becomes essential, this Special Issue emphasizes interdisciplinary solutions that combine architectural design, smart energy systems, and low-carbon material innovations. This Special Issue seeks to complement existing literature by bridging the gap between theoretical frameworks, engineering solutions, and practical applications across scales—from building components to district-level planning. Case studies, technical frameworks, policy analysis, and interdisciplinary experiments are all encouraged. Through this Special Issue, we hope to foster global collaboration and accelerate the transition to climate-smart architecture and circular building practices.

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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

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