

Special Issue

Reimagining Sustainability: Green Mobility, Natural Ventilation and Artificial Intelligence-Driven Design

Message from the Guest Editors

Sustainability is a global priority driving innovation across industries. This Special Issue highlights research advancing sustainable development, focusing on green mobility, energy-efficient systems, and artificial intelligence (AI)-driven solutions. Both experimental and simulation-based studies are encouraged, reflecting an interdisciplinary approach. This Special Issue invites contributions on topics including, but not limited to, the following: Finite element analysis for lightweighting; Multi-scale simulations for material and structural innovations; Structural design for sustainable development; Fuel cell technologies; Lightweight materials; Metamaterial design; Aerodynamic analysis and optimization of sustainable vehicles; Building energy systems and ventilation; Thermal comfort analysis in sustainable architecture; Optimization of Heating, Ventilation, and Air – Conditioning Systems; AI-driven design optimization for sustainable development; AI applications in renewable energy; Data-driven approaches for energy-efficient system management.

Guest Editors

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Deadline for manuscript submissions



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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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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