

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

Dr. Perk Lin Chong
Prof. Dr. Pengyan Guo
Dr. Lip Kean Moey
Dr. Foad Faraji

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. 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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