

## Special Issue

# Low-Carbon Buildings and Climate Change Mitigation

### Message from the Guest Editors

Research, development, and innovation are essential to achieve net zero carbon emissions goals by 2050, and to make buildings and communities sustainable and energy resilient. This Special Issue intends to promote a further understanding of relevant R&D topic in the smart buildings and sustainability sector. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Green Buildings
- Smart Buildings
- Building Carbon Emissions
- Zero Energy / Carbon Buildings
- Building Energy Systems
- Combined Cooling, Heat & Power Systems (CCHP)
- Optimal Design / Control of Building Integrated Systems
- Heating, Ventilation, and Air Conditioning (HVAC) Systems
- Thermal Energy Storage
- Green Walls and Roofs
- Adaptive Climatic Responsive Building Design
- High-Performance Building Envelops
- Building Integrated Photovoltaics (BIPV)
- Building Energy Performance Assessment
- Engineered / Strain-Hardening Cementitious Composites (ECC/SHCC)
- Ultra-High-Performance Concrete (UHPC)
- Low-Carbon Concrete
- Building Energy Management

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### Guest Editors

Dr. Mohammad Saffari  
Dr. Valeria Palomba  
Dr. Reihaneh Aghamolaei

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### Deadline for manuscript submissions

closed (30 September 2023)



## Sustainability

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Steve W. Lyon

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