

Special Issue

Innovative Building Solutions for Decarbonized and Sustainable Construction

Message from the Guest Editors

Climate change poses urgent challenges, with the building sector accounting for nearly a third of global energy consumption and a quarter of greenhouse gas emissions. This Special Issue focuses on innovative solutions to advance decarbonized and sustainable construction practices. By exploring cutting-edge materials, advanced construction technologies, and energy-efficient design strategies, we aim to reduce embodied and operational carbon emissions. These contributions align with the goals of the Energy Performance of Buildings Directive (EPBD) recast, offering actionable insights for researchers, policymakers, and industry leaders. Topics of interest:

- Low-carbon materials and technologies for sustainable construction;
- Renewable energy integration in buildings;
- Circular economy approaches, including material reuse and waste reduction;
- Digital tools for optimizing energy performance and emissions reduction.

We invite you to contribute to this transformative field.

Guest Editors

Dr. António Figueiredo

Department of Civil Engineering, CERIS, University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal

Prof. Dr. Katia Regina Garcia Punhagui

Latin American Institute of Technology, Infrastructure and Territory, Federal University of Latin American Integration (UNILA), Av. Tarquínio Joslin dos Santos, Foz do Iguaçu 85870-650, PR, Brazil

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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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

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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