

Special Issue

Environmental and Economic Optimisation of the Building Envelope for Different Climates

Message from the Guest Editors

This Special Issue aims to collect original research articles and reviews related to the environmental and/or economic optimisation of the building envelope for one or more countries or climate regions regarding the design of sustainable and energy-efficient buildings. Both theoretical and real case studies can be considered. Research areas may include (but are not limited to) the following:

- eco-efficient building envelope alternatives that minimise the life cycle environmental impacts and costs;
- environmental and economic life cycle-driven design of the building envelope;
- optimisation of the environmental and/or economic performance of the building envelope using generic or tailor-made algorithms;
- contribution of local climatic conditions and construction practices to life cycle carbon footprints, as well as the embodied energy and costs of buildings;
- trade-off between life cycle carbon footprint, embodied energy, and costs in each local context; and
- influence of regional differences in optimal solutions for the building envelope.

We look forward to receiving your contributions.

Guest Editors

Prof. Dr. José Dinis Silvestre

Department of Civil Engineering, Instituto Superior Tecnico, 1049-001 Lisbon, Portugal

Prof. Dr. Zsuzsa Szalay

Department of Construction Materials and Technologies, Budapest University of Technology and Economics, 1111 Budapest, Hungary

Deadline for manuscript submissions

closed (31 August 2022)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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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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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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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