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Environmental and Economic Optimisation of the Building Envelope for Different Climates

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Deadline for manuscript submissions: closed (31 August 2022)

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.









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Message from the Editor-in-Chief

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