

Special Issue

Exploiting the Potential of Passive Envelope Technologies for Improving the Building Thermal Performance in the Warm Season

Message from the Guest Editors

This Special Issue focuses on passive building technologies aiming to optimize building thermal behavior and envelope energy balance, thus considering evaporative, convective, and radiative cooling effects, contextualized with respect to the indoor needs and the outdoor environment. For instance, the potential of phase change materials, cool coatings, green roofs and walls, shading systems, photochromic thermochromic glasses, vented facades, adaptive or responsive building elements and so on can be usefully exploited, standing alone or in an integrated and systemic way, by using numerical evaluation methods or experimental analysis (in-field or in-lab). The research fields of this Special Issue of the journal *Sustainability* are useful for systematizing a series of punctual information available in the scientific literature and worthy to be deepened. They will be useful for outlining common guidelines for architects, engineers and building designers and for identifying new variables for the implementation of smart and sustainable cities.

Guest Editors

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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

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