

## Special Issue

# Energy Performance Prediction and Validation in Green Buildings

### Message from the Guest Editors

The role of the building sector in combating climate change issues has increasingly gained the attention of the scientific community towards constructing green buildings as an effective measure to reduce building impacts, with significant benefits to society and the economy.

Overall, the term “green building” lacks a clear and unequivocal definition, moving from narrower definitions to broader definitions. In the existing literature, the dominant approach to analyse green buildings involves comparing with a traditional building, highlighting the benefits from an environmental perspective, an economic perspective, and a human perspective. Undoubtedly, building energy efficiency is one of the crucial issues addressed in green building research, although closely related to the other aspects. However, technological advancements provide manifold technologies that can be implemented in green buildings, whose study is becoming increasingly complex, requiring the implementation of proper procedures to study their effectiveness and thus adequately predict their performance.

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### Guest Editors

Prof. Dr. Francesco Fiorito

Dr. Francesco Carlucci

Dr. Ludovica Campagna

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### Deadline for manuscript submissions

25 October 2025



## Energies

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### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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