

Special Issue

Building Energy Modelling and Performance Assessment

Message from the Guest Editor

The prediction and assessment of building energy performance is becoming an increasingly critical topic. While the building energy performance literature is vast, this Special Issue aims at showcasing contributions that emphasize the adaptation of buildings and cities to the issues of climate change. This question can be summarized by two challenges: lowering the carbon footprint of the building sector and ensuring its resilience.

Topics may include low-energy and passive solutions for heating, ventilation, and air-conditioning; energy storage in relation with intermittent renewable energy production; data analysis for performance assessment and prediction of consumption; further advances on building energy modeling; etc. An additional emphasis concerns methods developed to guarantee the reliability of energy conservation measures.

- building energy modelling
- energy performance assessment
- HVAC systems
- energy conservation measures
- reliability
- sustainability

Guest Editor

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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.

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