Special Issue

Building-Integrated Renewable Energy Technologies and Applications

Message from the Guest Editors

Electricity, heating, and cooling are becoming increasingly more demanding in buildings as living standards improve but are responsible for massive fossil energy consumption and severe environmental pollution. Building-integrated renewable energy technologies and applications provide an appealing solution for decarbonization in buildings. To further advance renewable energy technologies to save energy in buildings, this Special Issue has been set up to gather cutting-edge research to address current problems and future challenges. The Special Issue will welcome research papers reporting on critical reviews, theoretical investigations, and laboratory and field trials of innovations and developments in renewable energy technologies for low-/zero-carbon building applications. The potential topics for this Special Issue include but are not limited to:

- Renewables for low-energy buildings;
- Energy-efficient lighting in buildings;
- Space heating/cooling with renewable energy;
- Green building energy materials;
- Heating, ventilation, and air conditioning in low-carbon buildings;
- Renewable energy storage to save energy in buildings.

Guest Editors

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Deadline for manuscript submissions

closed (30 October 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/116455

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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