



Integration of Solar PV in Buildings

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

The integration of solar photovoltaic (PV) technology in buildings, known as building-integrated photovoltaics (BIPV), is demonstrating a huge potential in the decarbonization of buildings, new and retrofit, by improving the energy-savings of their envelopes and by increasing the local generation of renewable energy.

The areas of interest of this Special Issue include approaches such as innovative technical solutions that successfully combine architectonic designs with electric functions, BIPV case studies and lessons learned, BIPV performance monitoring and prediction modeling, energy and economic assessment of BIPV, cost reduction and market strategies, life cycle analysis, socio-environmental studies, modeling and digitalization, pre-normative proposals for guaranteeing the functionality and reliability of BIPV products and systems, optimized self-consumption designs, energy management and storage, and BIPV potential studies.





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