



Building Integrated Photovoltaic/Thermal Systems for Net Zero Energy/plus Buildings

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Message from the Guest Editor

The Special Issue will mainly be focused on technologies which combine PV and thermal systems, concurrently providing thermal energy and electricity. The concurrent production of heat and electricity increases the total energy generation of PVs per unit surface area in comparison to the standalone PV system. The BIPV/T system can increase electrical performance and lead to faster payback time than traditional PV systems. This Special Issue will focus on BIPV/T systems and their applications, the most recent developments in PV technologies for BIPV/T application, energy and exergy analysis of BIPV/T systems, BIPV/T systems coupled with heat pumps, BIPV/T systems coupled to building mechanical systems, active and passive BIPV/T systems, experimental, analytical and numerical analysis of heat transfer in BIPV/T systems, life cycle cost analysis, and life cycle conversion efficiency. Performance analysis of BIPV/T system, techno-economics and sustainability of BIPV/T system, worldwide case studies, and energy payback periods are all in the scope of this Special Issue.





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