

Special Issue

Building-Integrated Photovoltaics (BIPV): Innovations in Sustainable Architectural Design

Message from the Guest Editor

Dear colleagues, This Special Issue aims to gather original research articles and comprehensive reviews highlighting recent advances, innovative technologies, practical implementations, and future trends in the field of building-integrated photovoltaics. Given the interdisciplinary nature of BIPV, contributions from architecture, engineering are strongly encouraged. This Special Issue will mainly cover the following areas of focus:

- Innovative BIPV materials and technologies;
- Architectural integration and esthetic considerations for BIPV;
- Energy performance evaluation and simulation methodologies;
- Thermal management and performance optimization in BIPV;
- Life cycle analysis for and the environmental impact of BIPV systems;
- Economic feasibility and cost-benefit analyses;
- Advances in transparent and semi-transparent photovoltaic technologies;
- Case studies and practical applications of BIPV;
- Standards, regulations, and compliance issues for BIPV integration;
- Smart integration and digital technologies enhancing BIPV performance;
- Building performance monitoring and real-world BIPV applications.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal Architecture is an outstanding platform for new ideas and for reporting the outcomes of your research. The subjects sought are wide ranging and include design strategies, form, and technology. The need to be innovative in a rapidly changing profession and building environment make this journal the ideal place to publish. We are open to creativity and out-of-the-box thinking.

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