



*sustainability*

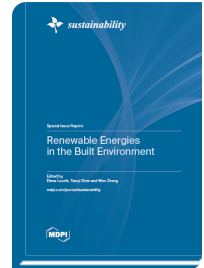


*Special Issue Reprint*

## Renewable Energies in the Built Environment

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This reprint, compiled from a Special Issue of the *Sustainability* journal, presents groundbreaking research on integrating renewable energy technologies within the built environment. It offers a comprehensive exploration of sustainable energy solutions spanning solar, wind, biomass, geothermal, hydropower, and ocean energy applications in architectural and urban contexts. This collection features original research and reviews examining the delicate balance between conservation and innovation, particularly in cultural heritage settings. Special emphasis is placed on solar energy technologies that are transforming architectural design paradigms, from advanced module design to building-integrated photovoltaics. Readers will discover cutting-edge approaches to the following:

- Renewable energy integration in new and retrofitted buildings;
- Digital tools including Building Information Modeling for implementation;
- Policy frameworks and regulations shaping adoption;
- Design criteria for various renewable technologies;
- Case studies demonstrating successful applications in diverse settings.

This volume serves as an essential resource for researchers, practitioners, and policymakers working at the intersection of sustainable energy and the built environment, providing valuable insights for creating more resilient and environmentally responsible communities.



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