

Special Issue

Sustainable Development of Solar Photovoltaic Islands' Decarbonization

Message from the Guest Editors

In this post-pandemic era, there is a growing desire to decarbonize the renewable energy sector by accelerating solar photovoltaics production and ensuring long-term stability with the goal of achieving net-zero energy buildings and industrial decarbonization, with the expectation that emissions will need to be reduced by at least two-thirds by 2035 and by at least 90% by 2050. We are cordially inviting the submission of manuscripts to this Special Issue that focuses on new sustainable developments and innovation in solar photovoltaics technologies that particularly help with decarbonizing the energy sector worldwide. This Special Issue also encourages scholars to submit manuscripts for energy and resource efficiency techniques that would minimize the amount of energy and materials utilized in the production of PV systems while still ensuring long-term performance stability. We also invite articles that have the potential to speed up innovation in building-integrated PV technologies, which are required to decarbonize the construction sector. This will also assist in mitigating the hazards of postponing the net-zero decrease in industrial emissions.

Guest Editors

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Deadline for manuscript submissions

closed (21 March 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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