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Sustainable Development of Solar Photovoltaic Islands' Decarbonization

Guest Editors:

Message from the Guest Editors

Dr. Siamak Hoseinzadeh

Dr. Davide Astiaso Garcia

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Deadline for manuscript submissions: closed (21 March 2023) 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.









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Editor-in-Chief

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Message from the Editor-in-Chief

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