

Special Issue

Sustainable Photovoltaic Waste Recycling: Materials, Technology and Circular Economy

Message from the Guest Editor

The rapid expansion of the photovoltaic (PV) industry has positioned solar energy as a cornerstone of global energy transition; however, the increasing volume of end-of-life (EoL) PV modules presents pressing environmental, technical, and economic challenges. Sustainable recycling and resource recovery are therefore critical to ensuring the long-term viability of the PV sector and aligning it with circular economy principles. This Special Issue, “Sustainable Photovoltaic Waste Recycling: Materials, Technology and Circular Economy” invites original research and review articles addressing innovative recycling technologies, material recovery strategies, life-cycle assessment, and policy frameworks that support a sustainable PV waste management system. Contributions that highlight advances in recycling methods, recycling business models, policy, and environmental impacts are welcome. Interdisciplinary approaches that integrate technology, supply chain resilience, environmental sustainability, and socio-economic implications are also encouraged.

Guest Editor

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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