



Innovation in Renewable Energy Technologies

Guest Editors:

Prof. Dr. Andrea Toscani

Department of Engineering and
Architecture, University of Parma,
43124 Parma, Italy

Prof. Dr. Paolo Cova

Department of Engineering and
Architecture, University of Parma,
Parma 43124, Italy

Dr. Nicola Delmonte

Department of Engineering and
Architecture, University of Parma,
43124 Parma, Italy

Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

This Special Issue is focused mainly on ICT systems developed to more sustainably exploit renewable energies. Research in the field of energy is becoming more and more challenging because sustainability aspects must be addressed. Reduction of air pollutants, waste, traditional energy, and costs are needed to develop more and more sustainable systems to produce, distribute, and use energy. Thus, researchers and designers of different fields are working on these issues to identify more feasible and affordable solutions, both at system and component levels. An example of this holistic approach can be smart grids, where technological, environmental, and economic aspects must be considered together to optimize the system. At the component level, there are a lot of examples which can be used, from new energy carriers, to storage technologies and IoT applied to converters and loads. This Special Issue is intended to give an effective contribution to highlight all innovations in renewable energy to generate, convert, distribute, store, and utilize electricity.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)