



Advanced Renewable Energy Generation Systems and Energy Harvesting Technologies

Guest Editors:

Dr. Simon Lineykin

Department of Mechanical Engineering and Mechatronics, Ariel University, Ariel 4077625, Israel

Dr. Moshe Sitbon

Department of Electrical and Electronics Engineering, Ariel University, Ariel 40700, Israel

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Message from the Guest Editors

Dear Colleagues,

This Special Issue covers a wide range of systems that use renewable and waste energy to convert it into electrical energy. These systems differ by their principle of operation (photovoltaic, magnetoelectric, thermoelectric, pyroelectric, piezoelectric, etc.), by energy sources (water, wind, sun, temperature gradients), and by the amount of energy that they produce.

The physical properties of direct energy converters and their combinations in devices of interest, mathematical models of energy conversion systems, engineering applications, efficiency optimization methods, output power maximization, electronic systems that allow tracking the maximum power point and their corresponding algorithms, energy storage devices, the use of the novel materials and technologies, and other topics directly related to systems for renewable energy generation and energy harvesting are all within the scope of the Special Issue.

We hope that this Special Issue provides an opportunity for researchers to share their achievements and become acquainted with their colleagues' achievements in this field.

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Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
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