

Special Issue

Advanced Renewable Energy Generation Systems and Energy Harvesting Technologies

Message from the Guest Editors

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. For more information, please click: mdpi.com/si/129467

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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