Special Issue

Composites for Energy Harvesting, Generation and Energy Storage

Message from the Guest Editor

Energy issues are one of the most relevant world issues that must be solved in the near future, due to the increased demand from new advanced systems and concepts related to sustainability, sensor and portable devices, and electric mobility. To overcome this issue, existing/new energy sources should not be neglected. Energy harvesting, generation, and storage systems strongly rely on new materials and processes that should be explored in order to overcome the current limitations of those systems both in terms of performance or materials characteristics in terms of sustainability. Furthermore, additive manufacturing technologies applied to different energy harvesting, generation, and storage systems allow researchers to address some of the most critical fabrication issues, becoming, therefore, an area with high impact and research activity in the scientific community. In this context, original research papers, short communications, or state-of-the-art reviews are accepted in this Special Issue focusing on the fundamental properties, manufacturing processes, and characteristics of composites applied to energy systems.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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