



Materials and Processes for Sustainable Energy and Environmental Systems

Guest Editor:

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Message from the Guest Editor

The aim of this Special Issue entitled “Materials and Processes for Sustainable Energy and Environmental Systems” is to present the recent advancements in various aspects related to materials and processes contributing to the creation of sustainable power systems and environmental solutions, particularly applicable to clean energy developments. These include materials and engineering processes for clean coal technologies, carbon capture and utilization, hydrogen economy, functional carbon materials, advanced energy materials, as well as waste and by-products valorization in energy systems and environmental engineering.

The authors of full research papers, communications, and review papers are invited to contribute to this Special Issue.

Keywords

- clean energy systems
- carbon capture and utilization
- clean coal technologies
- hydrogen economy
- carbon materials for energy and environmental applications
- energy materials
- waste and by-products valorization in energy and environmental systems





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Message from the Editor-in-Chief

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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