Special Issue

Advanced Catalytic and Adsorbent Materials for a Greener World

Message from the Guest Editors

This Special Issue collects original research papers, short communications, and reviews focused on the development and application of novel or optimized materials as catalysts and adsorbents in processes of green chemistry, clean energy production, and pollution control. We welcome both experimental and computational works, at both fundamental and applied levels, involving the preparation and characterization of a broad range of materials, including nanostructured, hierarchical, and hybrid materials, together with the investigation of their catalytic and adsorptive properties in environmentally friendly and green energy processes, including green synthesis, hydrogen energy, waste recovery and valorization, and pollution abatement.

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Message from the Editorial Board

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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