

Special Issue

Advanced Technologies and Materials for Sustainability in Energy Systems and Environmental Processes

Message from the Guest Editors

This Special Issue aims to collect some articles on the current challenges, recent advancements, and future perspectives around technology, advanced materials, and policies adopted for sustainability in the energy and environmental sectors. We welcome research articles (both experimental and numerical/computation studies) and review articles. Topics include, but are not limited to:

- Renewable energy (solar photovoltaics, solar thermal, wind energy, smart grids, biomass, biofuels, hydropower, geothermal, waste to energy, tidal, wave, and others);
- Conventional energy (energy sources, energy generation, conversion, and distribution);
- Thermodynamics (heat transfer, fluid mechanics, computational fluid dynamics, HVAC, and IC engines);
- Advanced materials (nanotechnology, nanomaterials, nanofluids, phase-change materials, and microbial fuel cells);
- Energy storage technologies, hybrid vehicles, and electric vehicles;
- Energy policy, energy economics, and energy management;
- Environmental standards and criteria, and environmental impact assessment;
- Ecological and human risk assessment, and industrial ecology;
- Different engineering processes.

Guest Editors

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