

Special Issue

Renewable Fuels and Chemicals

Message from the Guest Editors

As we anticipate an approximately 50% increase in energy demand by 2050, it becomes crucial for the scientific community to lead the charge in developing renewable energy alternatives. Renewable fuels and eco-friendly chemicals serve as key solutions, offering cleaner energy and less carbon emissions, along with new chances for economic growth in innovative industries. This Special Issue aims to cover a broad spectrum of topics that are integral to the evolution of the renewable energy and chemical sectors. Topics of interest for publication include, but are not limited to:

- Catalysis in renewable fuel/chemical synthesis;
- Solar fuels;
- Biomass conversion and valorization;
- Biogas upgrading and utilization;
- Green solvents;
- Carbon capture and utilization (CCU);
- Use of ionic liquids and supercritical fluids in biofuel extraction and refinement;
- Chemical storage of renewable energy;
- Advanced biofuels;
- Renewable energy integration;
- Energy economics and policy;
- Techno-economic analysis of renewable fuels/chemicals;
- Sustainable fuel utilization.

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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