

Special Issue

Editorial Board Members' Collection Series: Catalytic Conversion of Biomass and Plastic Waste

Message from the Guest Editors

This “*Editorial Board Members’ Collection Series*” is dedicated to recent advances in the studies of catalytic conversion of waste biomass and plastics for energy applications. It is mainly focused on design, synthesis, and physicochemical characterization of novel catalysts, as well as the investigation of their catalytic activity, selectivity, and long-term stability under relevant reaction conditions. Additionally, the contributions focusing on the optimization of reaction parameters, mechanistic studies, and detailed analysis of the composition and energy potential of the resulting products are highly encouraged. Furthermore, research exploring the influence of feedstock type, pretreatment strategies, and process integration for efficient energy recovery is of particular interest. Topics of interest for publication include, but are not limited to, the following:

- biofuels
- hydrogen production
- renewable fuels
- sustainable energy recovery
- biomass valorization
- waste plastic disposal
- synthesis and characterization of catalysts
- catalytic activity and selectivity
- thermal treatment
- pyrolysis
- gasification
- hydrotreating

Guest Editors

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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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