Special Issue

Eco-Friendly Catalysts and Processes for the Production of Renewable Fuels and Value-Added Chemicals

Message from the Guest Editors

It is estimated that catalytic reactions represent more than 90% of all industrial chemical processes, and choosing the right catalyst is a critical factor for success. As the world moves towards more sustainable technologies, highly efficient and sustainable catalytic systems and reactions are desired. This “green trend” defining modern catalysis includes using renewable precursors for catalyst production, lowering the costs of catalyst manufacturing, recycling catalysts and solvents, increasing energy efficiency, and reducing the amount of produced waste, among others. The purpose of the edited Special Issue is to explore the current status of eco-friendly catalysts and sustainable catalytic technologies. Potential topics include, but are not limited to:

- Carbonaceous catalysts
- Preparation of catalysts by green synthesis
- Sustainable catalytic technologies
- Heterogeneous catalysis
- Electrocatalysis
- Biofuels
- Green fuel additives
- Value-added chemicals
- Biomass
- Waste materials
- Energy storage and power sources

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Editor-in-Chief

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Journal Rank:

JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

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