

Special Issue

Sustainable Catalysts for Biofuel Production

Message from the Guest Editors

The role of catalysts is critical not only in the conversion process of biofuels systems but also making the overall process more efficient, less energy intensive and economically feasible. Improved sustainable catalysts are needed to increase process efficiency, reduce energy and produce cleaner products such as ultralow sulfur biodiesel. Recently, waste biomass-based catalysts such as biochar and seashells are utilized instead of costly commercial catalysts. Therefore, this special issue would cover how such cheap and effective sustainable catalysts could be developed for biofuels systems such as a catalytic approach for sustainable energy production. For this Special Issue, we invite papers dealing with the development of bio-based heterogeneous catalysts for the synthesis of biodiesel production. More specifically, topics of interest for the Special Issue include (but are not limited to):

- Biomass
- Bio-based catalysts
- Bio-based magnetic catalysts
- Bioproducts
- Biorenewables
- Bioenergy/biofuel byproducts
- Biodiesel
- Biolubricants
- Bioethanol
- Biomethane

Guest Editors

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Deadline for manuscript submissions

closed (20 September 2021)



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Editor-in-Chief

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

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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).