

Special Issue

Catalytic Transformations for Green and Sustainable Chemistry

Message from the Guest Editors

We invite the scientific community to submit contributions in the form of original research articles and review articles on solid catalysts and their applications in biomass transformation. We are particularly interested in articles describing:

- Bioethanol production from biomass
- Furfural transformation
- Levulinic acid transformation
- HMF transformation
- Olefin production from biomass-derived molecules
- Synthesis of organic carbonates
- Deactivation studies using in situ and ex situ spectroscopic techniques
- Mechanistic studies of biomass-derived oxygenates
- Computational modeling and simulation of biomass-derived processes
- Transfer hydrogenation processes of biomass-derived molecules
- Lignin valorisation
- Hydrogen from catalytic reforming of biomass-derived molecules

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2020)



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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).