# Special Issue

# Heterogeneous/Homogeneous Catalysis in Organic Synthesis – Recent Advances

## Message from the Guest Editors

Currently, the key challenge for the organic synthesis is the development of new catalysts that characterize both high activity and selectivity, and would ensure their easy separation from the reaction mixture. Thanks to the use of efficient heterogeneous catalysts, the process can be carried out under mild conditions, and a significant simplification of the usually cost-intensive and energy-consuming removal of the catalyst after reaction can be driven. Such catalysts create the possibility of their effective recycling. Moreover, they can be used in flow reactors. This Special Issue aims to collect both original research articles and reviews focusing, though not exclusively, on:

- The application of heterogeneous catalysis in organic synthesis;
- Synthesis and characterization of new heterogeneous catalysts;
- Designing of immobilized catalyst on solid carriers such as polymers, carbon nanomaterials, silica, hybrid supports and others;
- Designing of new methods of catalytic synthesis of organic compounds, meeting the requirements of sustainable development and principles of green chemistry.

## Guest Editors

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## Deadline for manuscript submissions

closed (10 June 2022)

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## Message from the Editor-in-Chief

## Editor-in-Chief

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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).