

## Special Issue

# Green Catalysis and Sustainable Organic Synthesis

### Message from the Guest Editors

As global concerns over environmental pollution and resource scarcity intensify, green catalysis and sustainable organic synthesis have emerged as a vital scientific frontier in tackling these challenges. By advancing energy conservation, emission reduction and a circular economy, this field is steering the chemistry and chemical industry toward a more sustainable future. In this context, this joint Special Issue organized by *ChemEngineering* and *Organics* aims to showcase cutting-edge research grounded in green and sustainable principles.

The scope encompasses, but is not limited to, the following:

- **The development and application of advanced catalytic systems**, including organo-, photo-, electro-, enzymatic, ionic liquid and earth-abundant metal catalysis.
- **The development and application of advanced catalytic materials**, including solid acid-base, nano-, carbon-based catalysts and MOFs.
- **Renewable resource valorization**, focusing on high-value conversion of biomass-derived molecules and CO<sub>2</sub> fixation/upgrading.

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### Guest Editors

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### Deadline for manuscript submissions

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## About the Journal

### Message from the Editor-in-Chief

*ChemEngineering* is to consolidate its position as a high-quality, open access journal that not only disseminates excellent research but also sets the agenda for future directions in chemical engineering. We will continue to highlight core areas such as catalysis, process intensification, and the circular economy, while also opening the door to emerging topics such as multi-energy systems that integrate light, heat, and electricity, etc., as well as digital tools, modelling, and artificial intelligence applied to chemical engineering.

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### Editor-in-Chief

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#### Journal Rank:

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 32.8 days after submission; acceptance to publication is undertaken in 6.6 days (median values for papers published in this journal in the second half of 2025).