

## Special Issue

# Design and Application of Combined Catalysis

### Message from the Guest Editors

As an efficient and powerful tool, green catalysis is widely used in the catalytic production of various compounds in different fields. Recently, more efficient catalysts and/or novel strategies were developed to improve the catalytic efficiency and reduce the catalysis cost. Among them, combinatorial catalysis allows the exploration of innovative chemical reactions, where the single catalysis mode alone results in a poor reaction with low efficiency or even fails in promoting a reaction. This Special Issue focuses on different combinations of catalysis, such as enzymatic catalysis, chemical catalysis, photocatalysis, electrocatalysis, whole-cell-catalysis and so on. The principle for the design of combined catalysis will be discussed and their application will also be included. High-quality manuscripts of original research and critical reviews that address this topic are welcome for submission.

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### Guest Editors

Dr. Feng Wang

Prof. Dr. Xiyu Cheng

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### Deadline for manuscript submissions

31 August 2025



## Catalysts

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