# Special Issue

# Advanced Heterogeneous Catalysis

### Message from the Guest Editor

In modern industry, heterocatalysis is a crucial chemical process, so it is also a research focus. Heterogeneous catalysis involves catalytic reactions at the interface between two different phases, of which the most common is at the solid-fluid interface. For example, the production of ammonia by the Haber–Bosch process, nitric acid by the Ostwald process, and ethylene oxide by the Wacker process all involve heterogeneous catalysis. In this Special Issue, we will report on and discuss current research on the role and use of catalysis in chemical processes, as well as new/functional materials and nanotechnology in catalysis. Also, the various techniques and characterization methods will be discussed.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2025)

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As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

## Editor-in-Chief

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