



## Advances in Heterogeneous Catalysis

Guest Editor:

### Dr. Qingwen Song

State Key Laboratory of Coal  
Conversion, Institute of Coal  
Chemistry, Chinese Academy of  
Sciences, Taiyuan, China

Deadline for manuscript  
submissions:

**closed (31 October 2022)**

### Message from the Guest Editor

Dear Colleagues,

The study of heterogeneous catalysis would greatly promote the development of industrial chemistry. The goal of this Special Issue is to provide the frontiers of academic research on heterogeneous catalysis with regard to synthesis, catalytic methods, reaction mechanisms and technology under thermal-, electro-, or photoassisted processes, among others. Catalysts focusing on a broad research area include, but are not limited to, organic polymers, single atom catalysts, metal-supported catalysts, nanomaterials, MOF, and COF. In addition, the field involves synthetic chemistry, energy chemistry, green chemistry, environmental chemistry, material chemistry, and theoretical chemistry.

Dr. Qingwen Song  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

## Contact Us

---

*Molecules* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](#)