# Special Issue

# Nanocatalysis

### Message from the Guest Editors

Catalysis is one of the longest-established uses for nanoparticles. Nanoparticles of metals, metal oxides, mixed metal oxides, and other compounds have been widely used for various important chemical reactions. This Special Issue aims to collect and disseminate some of the most significant and recent contributions in the following areas (although it is not limited to them):

- Nanomaterial-based photocatalysis and biocatalysis
- Nanocatalysts and nano-biocatalysts in the chemical industry
- Nanocatalysis for carbon–carbon and carbon–heteroatom coupling reactions
- Nanocatalysis for various organic transformations in fine chemical synthesis
- Nanocatalysis for oxidation, hydrogenation, and other related reactions
- Nanocatalysts for producing non-conventional energy such as hydrogen and biofuels

### Guest Editors

Prof. Dr. Manoj Gawande

Institute of Chemical Technology, Mumbai-Marathwada Campus Jalna, Maharashtra 431213, India

Prof. Dr. Rajender S. Varma

1. Regional Centre of Advanced Technologies and Materials, Faculty of Science, Palacky University Olomouc, 783 71 Olomouc, Czech Republic
2. ORD National Risk Management Research Laboratory, U.S. Environmental Protection Agency, Cincinnati, OH 45268, USA

### Deadline for manuscript submissions

closed (30 November 2019)

**Molecules**

**an Open Access Journal by MDPI**

**Impact Factor 4.6**
**CiteScore 8.6**
**Indexed in PubMed**

mdpi.com/si/18674

*Molecules*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/molecules

# Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/journal/molecules

MDPI

# About the Journal

## Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

## Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

## Author Benefits

**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)

**Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).