



## Challenges in Synthetic Chemistry

Guest Editor:

**Prof. Dr. Motoo Tori**

Faculty of Pharmaceutical  
Sciences, Tokushima Bunri  
University, Yamashiro-cho,  
Tokushima 770-8514, Japan

Deadline for manuscript  
submissions:

**closed (31 July 2012)**

### Message from the Guest Editor

Dear Colleagues,

Recent years, a number of new methods for synthesis of complex molecules, short and efficient routes for synthesis of important substance have been published. The speed of this development is now enormously increasing. This special issue, jointly published in “Challenges” and “Molecules”, is dedicated to the publication of the latest “Challenges in Synthetic Chemistry”, which includes research results in the field of stereoselective synthesis, enantioselective synthesis, organometallic chemistry, heterocyclic chemistry, and total synthesis of natural products. We will consider any submissions associated with synthetic chemistry (including but not limited to: biological, theoretical and mechanistic studies). However, the primary focus of this special issue is related to the development of challenging synthetic methodology and its applications.

Prof. Dr. Motoo Tori

*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](#)