



Organic Synthesis Using Biocatalyst

Guest Editor:

Prof. Dr. Tomoko Matsuda

Tokyo Institute of Technology,
Graduate School of Bioscience
and Biotechnology, Department
of Bioengineering, 4259
Nagatsuta, Midori-ku, Yokohama,
226-850, Japan

Deadline for manuscript
submissions:

closed (31 August 2012)

Message from the Guest Editor

Dear Colleagues,

Organic synthesis using biocatalysts, especially chiral synthesis, is increasingly getting important for variety of purposes such as drug synthesis and total synthesis due to the high chemo-, regio-, and enantio-selectivities of enzyme. More than half of drug candidate molecules have more than one chiral centers and about 10% of the total drug synthesis depends on the biocatalyst. Importantly, these successes are owing to achievements of basic researches. Therefore, this special issue will present novel, unique and innovative application research as well as basic research concerning organic synthesis using biocatalysts. I also hope that this issue will contribute for green chemistry since the enzyme is a natural and reproducible catalyst with high efficiency.

Dr. Tomoko Matsuda
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI