

JOURNAL OF MOLECULAR CATALYSIS B: ENZYMATIC

Editor-in-Chief:

Professor R.A. Sheldon
Department of Biocatalysis
and Organic Chemistry
Faculty of Applied Sciences
Delft University of Technology
Julianalaan 136
2628 BL Delft
Netherlands
Tel.: (+31-15) 2782675
Fax: (+31-15) 2781415
e-mail: r.a.sheldon@tnw.delft.nl

Editors:

Professor Y. Asano
Biotechnology Research Center
Toyama Prefectural University
5180 Kurokawa, Kosugi
Toyama 939-0398
Japan
Tel.: (+81-766) 567500 ext. 530
Fax: (+81-766) 562498
e-mail: asano@pu-toyama.ac.jp

Professor J.D. Stewart
The University of Florida
Department of Chemistry
127 Chemistry Research Building
Gainesville, FL 32611-7200
USA
Tel.: +1 352 846 0743
Fax: +1 352 846 2095
e-mail: jds2@chem.ufl.edu

Editorial Board

P. Adlercreutz (*Lund, Sweden*)
T. Anthonsen (*Trondheim, Norway*)
A. Bommarium (*Atlanta, USA*)
U. Bornscheuer (*Greifswald, Germany*)
S.G. Burton (*Cape Town, South Africa*)
J.M.S. Cabral (*Lisbon, Portugal*)
D.H. Crout (*Coventry, UK*)
W.-D. Fessner (*Darmstadt, Germany*)
L. Fischer (*Stuttgart, Germany*)
R. Furstoss (*Marseille, France*)

P.J. Halling (*Glasgow, UK*)
S. Horinouchi (*Tokyo, Japan*)
R.J. Kazlauskas (*Montreal, Canada*)
H.-S. Kim (*Taejon, Korea*)
A. Klibanov (*Cambridge, MA, USA*)
T. Koyama (*Sendai, Japan*)
W. Kroutil (*Graz, Austria*)
J. Lalonde (*Redwood City, CA, USA*)
A. Liese (*Münster, Germany*)
K. Nakamura (*Kyoto, Japan*)
H. Ohta (*Yokohama, Japan*)

M. Palczic (*Edmonton, Canada*)
A. Schmid (*Dortmund, Germany*)
M.P. Schneider (*Wuppertal, Germany*)
S. Shimizu (*Kyoto, Japan*)
Sim Tiow Suan (*Singapore*)
V.K. Švedas (*Moscow, Russia*)
E.J. Vandamme (*Ghent, Belgium*)
C. Wandrey (*Jülich, Germany*)
B. Witholt (*Zürich, Switzerland*)
J.H. Xu (*Shanghai, China*)
A. Zaks (*New Jersey, USA*)

Scope

The *Journal of Molecular Catalysis B: Enzymatic* provides an international forum devoted to research and developments in the applications of **whole-cell and cell-free enzymes as catalysts** in organic synthesis. Emphasis is placed on mechanistic and synthetic aspects of the **biocatalytic transformation**.

The journal publishes papers on:

- industrial applications of enzymatic processes, e.g., in fine chemical synthesis;
- chemo-, regio- and enantioselective transformations;
- screening for biocatalysts;
- integration of biocatalytic and chemical steps in organic synthesis;
- novel biocatalysts, e.g., enzymes for extremophiles and catalytic antibodies;
- enzyme immobilization and stabilization, particularly in non-conventional media;
- bioprocess engineering aspects, e.g., membrane bioreactors;
- improvement of catalytic performance of enzymes, e.g., by protein engineering or chemical modification;
- structural studies, including computer simulation, relating to substrate specificity and reaction selectivity;
- biomimetic studies related to enzymatic transformations.

Types of contribution

- Letters (maximum 1500 words; will receive preferential treatment in editorial processing)
- Original Papers
- Invited Subject Reviews
- Book Reviews
- Conference Announcements and News

Frequency

The journal appears eight times a year.