

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@tudelft.nl

Editors:

Professor Y. Asano
Biotechnology Research Center
Toyama Prefectural University
5180 Kurokawa, Imizu
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

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Aims & Scope

The *Journal of Molecular Catalysis B: Enzymatic* is 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 focused on mechanistic and synthetic aspects of the biocatalytic transformation.

Papers should report novel and significant advances in one or more of the following topics;

- Applied and fundamental studies of enzymes used for biocatalysis;
- 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 syntheses;
- Novel biocatalysts, e.g. enzymes from 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.

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