

**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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