

JOURNAL OF MOLECULAR CATALYSIS B: ENZYMATICAL

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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.