

1. Scope

The journal 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 deal with the following topics;

- 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.

2. Types of contributions

There are three types:

1. *Full-length*, or regular papers describing original research work not previously published.

2. *Reviews* of specialized topics within the scope of the Journal (prospective authors should obtain preliminary approval from an Editor before preparing such an article); short reviews on enzymatic processes will be considered.

3. *Letters* reporting results which should be made rapidly available to other researchers in the field. They should consist of concise descriptions or brief reports of investigations. They may be completely documented (description of experimental procedure, reference to literature, etc.). Letters will be considered for publication only if they report on new reactions, catalysts or mechanisms, and are a maximum of 4 printed pages in length. The authors are requested to indicate, in a covering letter, the reasons which justify the publication of their results as a Letter.

3. Preparation of papers

The language of the Journal is English. For initial submission of manuscripts for consideration, *one original* and *two copies* should be submitted. For the processing of *accepted papers*, electronic versions are preferred. After *final acceptance*, your disk plus one final and exactly matching printed version should be submitted together. Double density (DD) or high density (HD) diskettes (3.5 or 5.25 inch) are acceptable. It is important that the file saved is in the native format of the word processor program used. Label the disk with the name of the computer and word-processing package used, your name, and the name of the file on the disk.

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Title, author(s) address(es). Include mailing or "ZIP" code in countries using this system. Indicate to whom proofs should be sent and please include the relevant telephone, fax and e-mail numbers.

Abstract (100-200 words) and *five relevant keywords*.

Introduction. Statement of the problem. Outline of the paper and important findings.

Theory (if any).

Experimental (if any).

Results and discussion.

Conclusions.

Acknowledgements (if any).

References. Number consecutively inside square brackets [] with one entry per

reference number throughout the text and supply a separate reference list.

In the text the authors' names are given without initials. When reference is made to a publication written by more than two authors, it is preferable to give only the first author's name in the text followed by "et al.", or the senior author's name followed by "and co-workers". In the list of references the names and initials of all authors must be given. In the reference list, periodicals [1], books [2], multi-author books [3] and proceedings [4] should be cited in accordance with the following examples:

[1] M.S. Jarrell, B.C. Gates, E.D. Nicholson, *J. Am. Chem. Soc.* 100 (1978) 5727.

[2] L.R. Snyder, *Principles of Adsorption Chromatography*, Marcel Dekker, New York, 1968, p. 201.

[3] R.D. Marshall, A. Neuberger, in A. Gottschalk (Ed.), *Glycoproteins*, Vol. 5, Part A, 2nd ed., Elsevier, Amsterdam, 1972, Chap. 3, p. 215.

[4] G.C. Bond, P.B. Wells, *Proc. 4th Int. Symp. Scientific Bases for the Preparation of Heterogeneous Catalysts*, Louvain-la-Neuve, 1-4 September 1986, paper No. 2.

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4. Submission

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