

Biocatalysis and Biotransformation **Instructions for Authors**

About the Journal

Aims and Scope

Biocatalysis and Biotransformation is an international journal covering the application, both actual and potential, of biological catalysts (including whole cells or isolated components thereof, natural and modified enzymes and catalytic antibodies) for the synthesis, interconversion or degradation of chemical species. In addition to papers describing the synthetic applications of biotransformations, the Journal particularly welcomes papers focusing on the mechanistic principles, kinetics and thermodynamics of biocatalytic processes, the chemical or genetic modification of biocatalysts, metabolic engineering, and the activity and stability of biocatalysts in non-aqueous and multi-phasic environments, including the design of large scale biocatalytic processes. The scope of the journal also encompasses biomimetic systems and environmental applications of biocatalysis where the mechanistic principles are understood or novel biocatalytic activities are involved.

Regular issues of the journal publish full length refereed research papers and invited review articles in topical areas. Short communications in areas such as the application of biotransformations in chemical synthesis or preliminary reports of novel catalytic activities are also welcomed. Further information about the Journal, including links to the online sample copy and contents pages, can be found on the [Journal homepage](#).

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Manuscripts should be compiled in the following order: title page; abstract; main text; acknowledgements; declaration of interest statement; appendices (as appropriate); references; tables with captions (on separate pages); figures; figure captions (as a list).

Biocatalysis and Biotransformation publishes the following manuscript types:

- Original Paper
- Review
- Short communication

Title Page

A title page should be provided comprising the manuscript title plus the full names and affiliations of all authors involved in the preparation of the manuscript. One author should be clearly designated as the corresponding author and full contact information, including phone number and email address, provided for this person.

Two to six key terms should also be included on the title page. The keywords will assist indexers in cross indexing your article.

Abstract

All research articles and reviews should start with an abstract summarizing the central core of knowledge that is the focus of the paper. It should be written in an informative style permitting its use, without revision, by abstracting services, give essential details of research findings without further reference to the text, and avoid generalizations and nonessential information.

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Original articles

The body of the article should include the following sections: introduction; methods; results; discussion; conclusions.

Introduction: This section should state the relevance and background to the study, and its rationale and purpose.

Methods: This section should include only information that was available at the time the plan or protocol for the study was being written. You should describe your selection of the observational or experimental participants, identify the methods, apparatus and procedures in sufficient detail to allow others to reproduce the results, and describe statistical methods with enough detail to enable a knowledgeable reader with access to the original data to verify the reported results.

Results: Present your results in logical sequence in the text, tables, and illustrations.

Discussion: This should include implications of the findings and their limitations, with reference to all other relevant studies and the possibilities these suggest for future research.

Conclusions: This must summarize the main paper. Ensure that extrapolations are reasonable and that conclusions are justified by the data presented, and indicate if the study design can be generalized to a broader study population.

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The body of a review article should be a comprehensive, scholarly evidence-based review of the literature, accompanied by critical analysis and leading to reasonable conclusions.

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Acknowledgements section

Any acknowledgements authors wish to make should be included in a separate headed section at the end of the manuscript preceding any appendices, and before the references section. Please do not incorporate acknowledgements into notes or biographical notes.

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All declarations of interest must be outlined under the subheading "Declaration of interest". If authors have no declarations of interest to report, this must be explicitly stated. The suggested, but not mandatory, wording in such an instance is: The authors report no declarations of interest.

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Citation in the text is by author and date (Smith 2001). The list of references should be arranged alphabetically by primary author's last name. Examples:

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