

# ***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](#).

## **Editors**

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## Manuscript Preparation

### File preparation and types

Manuscripts are preferred in Microsoft Word format (.doc files). Documents must be double-spaced, with margins of one inch on all sides. Tables and figures should not appear in the main text, but should be submitted as separate digital files and designated with the appropriate file type on ScholarOne Manuscripts.

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.

## Main Text

### **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.

### **Reviews**

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.

Wherever appropriate details of the literature search methodology should be provided, i.e. the databases searched (normally Medline and at least one or two other databases), the search terms and inclusive dates, and any selectivity criteria imposed. Wherever possible, use primary resources, avoiding "Data on File", "Poster" or other unpublished references.

## Acknowledgements and Declaration of Interest sections

Acknowledgements and Declaration of Interest sections are different, and each has a specific purpose. The Acknowledgements section details special thanks, personal assistance, and dedications. Contributions from individuals who do not qualify for authorship should also be acknowledged here. Declarations of interest, however, refer to statements of financial support and/or statements of potential conflict of interest. Within this section also belongs disclosure of scientific writing assistance (use of an agency or agency/ freelance writer), grant support and numbers, and statements of employment, if applicable. For a more detailed list of points to include, please see "Declaration of Interest section" below.

### *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.

### *Declaration of Interest section*

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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## References

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:

*Journal:* Grune T, Blasig IE, Sitte N, Roloff B, Haselhoff R, Davies KJA.1998. Peroxynitrite increases the degradation of aconitase and other cellular proteins by proteasome. *J Biol Chem* 273:10857-10862.

*Book:* Hill AB.1962. *Statistical Methods in Clinical and Preventative Medicine*. New York: Oxford University Press. Chapter in a Book: Woolner LB.1981. Recent advances in pulmonary cytology: Early detection and localization of occult lung cancer in symptomless males. In: Koss LG, Coleman DV, Editors. *Advances in Clinical Cytology*. London: Butterworths. pp.95-135.

*Electronic Resources:* Lin A-S, Shibano M, Nakagawa-Goto K, Tokuda H, Itokawa H, Morris-Natschke, SL, Lee K-H.2007. Cancer Preventive Agents. 7. Antitumor-Promoting Effects of Seven Active Flavonolignans from Milk Thistle (*Silybum marianum*) on Epstein-Barr Virus Activation. *Pharm Biol* [Online] Available at: <http://informahealthcare.com/doi/pdf/10.1080/13880200701585592>. Accessed on 12 April 2009.

Periodical abbreviations should follow the style given by Index Medicus.

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Tables should be used only when they can present information more efficiently than running text. Care should be taken to avoid any arrangement that unduly increases the depth of a table, and the column heads should be made as brief as possible, using abbreviations liberally. Lines of data should not be numbered nor run numbers given unless those numbers are needed for reference in the text. Columns should not contain only one or two entries, nor should the same entry be repeated numerous times consecutively. Tables should be grouped at the end of the manuscript on separate pages.

## Illustrations

Illustrations (line drawings, halftones, photos, photomicrographs, etc.) should be submitted as digital files for highest quality reproduction and should follow these guidelines:

- 300 dpi or higher
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- Submitted as separate files, not embedded in the text
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## Notes on Style

### **General Style**

Authors are asked to take into account the diverse audience of the journal. Please avoid the use of terms that might be meaningful only to a local or national audience, or provide a clear explanation where this is unavoidable. However, papers that reflect the particularities of a social and cultural system are acceptable. Some specific points on style follow:

1. Authors should write in clear, concise English. Language and grammar should be consistent with Fowler's English Usage; spelling and meaning of words should conform to Webster's Dictionary. If English is not your native language please ensure the manuscript has been reviewed by a native speaker. Please note: extensive rewriting of the text will not be undertaken by the editorial staff.
2. Latin terminology, including microbiological and species nomenclature, should be italicized.
3. Use standard convention for human and animal genes and proteins: italics for genes and regular font for proteins, and upper case for human products and lower case for animal products.
4. "US" is preferred to "American", "USA" to "United States", and "UK" to "United Kingdom".
5. Double quotation marks rather than single are used unless the "quotation is 'within' another".
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Spell out numbers under 10 unless used with a unit of measure, e.g. nine pupils but 9 mm (do not use full stops (periods) within units). For decimals, use the form 0.05 (not .05, × 05 or 0× 05). “%” (not “per cent”) should be used in typescripts.

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