

## Guide for authors

### Aims and Scope

The general objective of the *Journal of Molecular Catalysis A: Chemical* is to publish scientific contributions examining the molecular and atomic aspects of catalytic activation and reaction mechanisms in:

- Organometallic and biomimetic catalysis
- Ionic catalysis by acids, bases, and metal ions
- Molecular aspects of heterogeneous Catalysis

Typical topics for which manuscripts are invited, are:

- New trends in homogeneous and heterogeneous catalysis, in relation to environment, energy, and fine chemicals (organic and asymmetric synthesis, oxidation, C–H and C–C bond activation and functionalization, polymerisation, energy-assisted catalysis (photocatalysis, electrocatalysis))
- Molecular engineering of porous and non-porous solids
- Molecular design of active sites, homogeneous and heterogeneous
- Molecular models and approaches to oxides, metals, zeolites, and mesoporous materials used as catalysts
- Molecular description and approaches to catalysis on clean surfaces
- Experimental and/or theoretical studies of elementary steps governing homogeneous and heterogeneous catalysis reactions
- Relationship between homogeneous and heterogeneous catalysis
- New reaction media (ionic liquids, supercritical solvents) for homogeneous and heterogeneous catalysis when these media influence the reaction path
- Combinatorial methods for homogeneous and heterogeneous catalysis (molecular design of ligand libraries, new generic molecular approaches to the functionalization of surfaces)

Particularly welcome are manuscripts describing or discussing novel molecular concepts in line with the above-mentioned topics when they address issues or challenges related to energy, environment and sustainable chemistry problems.

Since the scopes of the Elsevier journals *Journal of Molecular Catalysis A: Chemical*, *Journal of Molecular Catalysis B: Enzymatic*, *Applied Catalysis A: General*, *Applied Cat-*

*alysis B: Environmental*, and *Catalysis Communications* are complementary, an appropriate submission to each journal could be borderline, in which case the advice of another Editor will be sought, possibly redirecting the submission to either *Journal of Molecular Catalysis B: Enzymatic*, *Applied Catalysis A: General*, *Applied Catalysis B: Environmental*, or *Catalysis Communications* (for letters) with the author(s).

### General

There are two types of contributions:

- 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).

It is essential to give a fax number and e-mail address when submitting a manuscript. Articles must be written in good English.

Submission of an article implies that the work described has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis), that it is not under consideration for publication elsewhere, that its publication is approved by all Authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language, without the written consent of the Publisher.

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Should Authors be requested by the Editor to revise the text, the revised version should be submitted within 2 months. After this period, the article will be regarded as a new submission.

### **Manuscript submission**

Manuscripts may be submitted to the Editor-in-Chief or to one of the appropriate Editors. Please submit, with the manuscript, a graphical abstract and the names and contact details of three potential Referees.

Editor-in-Chief

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### **On-line submission to the journal prior to acceptance**

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If on-line submission is not possible, manuscripts can be sent by mail or preferably by e-mail. In both cases, an electronic version of the paper and graphical abstract should be sup-

plied. Authors should only use one submission route. Otherwise, it will cause confusion and may lead to the article being reviewed and published more than once.

### **Electronic format requirements for accepted articles**

We accept most wordprocessing formats, but Word, WordPerfect or LaTeX is preferred. An electronic version of the text should be submitted together with the final hardcopy of the manuscript. If the manuscript is submitted by mail, the electronic version must match the hardcopy exactly. Always keep a backup copy of the electronic file for reference and safety. Label storage media with your name, journal title, and software used. Save your files using the default extension of the program used. No changes to the accepted version are permissible without the explicit approval of the Editor. Electronic files can be stored on 3½ inch diskette, ZIP-disk or CD (either MS-DOS or Macintosh).

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### **Preparation of text**

#### **Presentation of manuscript**

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*Abstract:* A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separate from the article, so it must be able to stand alone. References should therefore be avoided, but if essential, they must be cited in full, without reference to the reference list. Non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

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Reference to a journal publication:

[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, *J. Sci. Commun.* 163 (2000) 51–59.

Reference to a book:

[2] W. Strunk Jr., E.B. White, *The Elements of Style*, third ed., Macmillan, New York, 1979.

Reference to a chapter in an edited book:

[3] G.R. Mettam, L.B. Adams, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing, Inc. New York, 1994, pp. 281–304.

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