

## Guide for Authors

### 1. 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.

Authors are asked to suggest at least three potential referees for their work.

### 2. Types of contributions

There are two 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).

### 3. Preparation of papers

Presentation of manuscript:

Please write your text in good English (American or British usage is accepted, but not a mixture of these). Italics are not to be used for expressions of Latin origin, for example, *in vivo*, *et al.*, *per se*. Use decimal points (not commas); use a space for thousands (10,000 and above).

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Please *double-space* all material. Be concise.

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- **Abstract** (100–200 words) and *five relevant keywords*.
- **Introduction.** Statement of the problem. Outline of the paper and important findings.
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- **Experimental** (if any).
- **Results and discussion.**
- **Conclusions.**
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- **References.** Number consecutively inside square brackets [] with one entry per reference number throughout the text and supply a separate reference list.

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- [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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