

# JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL

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## Scope

The general objective of the *Journal of Molecular Catalysis A: Chemical* is to examine the molecular and atomic aspects of catalytic activation and reaction mechanisms in *catalysis by metal complexes*, and *heterogeneous* and *biochemical* catalysis. The *Journal of Molecular Catalysis A: Chemical* emphasizes the features and interpretations common to these three main fields of catalysis.

– *Chemical and Metal Complex Catalysis*: basic mechanisms in homogeneous catalysis; homogeneous catalysis in organic and polymer synthesis; molecular and mechanistic aspects of polymerization; anchored or grafted metal complex catalysis when the active site properties are accentuated; systems involving two or more catalytic species; mechanistic and selectivity aspects of metal complex catalysis; coding processes: electrocatalysis and laser-catalysis; stereochemical aspects; in situ geometry of active species.

– *Molecular Aspects of Heterogeneous Catalysis*: structural and mechanistic information at the atomic and molecular level: catalysts, catalyst characterization and catalytic processes under real or simulated working conditions; new routes to the molecular engineering of heterogeneous catalysts; 'heterogenized' homogeneous catalysis when the support properties are emphasized; surface science from the catalytic point of view.

– *Biomimetic Catalysis*: enzyme analogues; photobiocatalysis; membrane-bound systems; catalytic aspects of photosynthesis.

Since the scopes of the Elsevier journals *Applied Catalysis* and *Journal of Molecular Catalysis* (outlined in the Scope, inside front cover of each issue) are complementary, an appropriate choice for submission to either journal could be borderline, in which case the advice of one of the Editors should be sought.

## Types of contributions

- Letters (maximum 1500 words; will receive preferential treatment in editorial processing)
- Original Papers
- Invited Subject Reviews
- Book Reviews
- Conference Announcements and News

## Frequency

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