



# TETRAHEDRON: ASYMMETRY

The International Journal for Rapid Publication on all Aspects of Asymmetry in Organic, Inorganic, Organometallic, Physical and Bioorganic Chemistry

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### DESCRIPTION

*Tetrahedron: Asymmetry* presents experimental or theoretical research results of outstanding significance and timeliness on **asymmetry** in **organic**, **inorganic**, **organometallic** and **physical chemistry**, as well as its application to related disciplines, especially **bio-organic chemistry**.

The journal publishes critical reviews, original research articles and preliminary communications dealing with all aspects of the chemical, physical and theoretical properties of **non-racemic organic** and **inorganic materials** and **processes**. Topics relevant to the journal include: the physico-chemical and biological properties of **enantiomers**; strategies and methodologies of **asymmetric synthesis**; resolution; chirality recognition and enhancement; analytical techniques for assessing **enantiomeric purity** and the unambiguous determination of absolute configuration; and molecular graphics and modelling methods for interpreting and predicting **asymmetric phenomena**. Papers describing the synthesis or properties of **non-racemic molecules** will be required to include a separate statement in the form of a **Stereochemistry** Abstract, for publication in the same issue, of the criteria used for the assignment of configuration and enantiomeric purity.

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### AUDIENCE

Organic, Inorganic, Bio-organic, Physical and Organometallic Chemists.

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1. Barton, D.H.R.; Yadav-Bhatnagar, N.; Finet, J.-P.; Khamsi, J. *Tetrahedron Lett.* **1987**, *28*, 3 11 1-31 14.
2. Katritzky, A.R. *Handbook of Organic Chemistry*; Pergamon Press: Oxford, 1985; pp. 53-86.
3. Smith, D.H.; Masinter, L. M.; Sridharan, N. S. *In Heuristic DENDRAL: Analysis of Molecular Structure*; Wipke, W. T.; Heller, S.R.; Feldmann, R. J.; Hyde, E., Eds. Computer representation and manipulation of chemical information. John Wiley: New York, 1974; pp. 287-298.
4. Cato, S.J. Ph.D. Thesis, University of Florida, 1987.

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