

# JOURNAL OF CHROMATOGRAPHY B

ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES

**Aims and Scope.** The *Journal of Chromatography B* publishes papers on developments in separation science relevant to biology and biomedical research including both fundamental advances and applications.

Analytical techniques which may be considered include the various facets of chromatography, electrophoresis and related methods, affinity and immunoaffinity-based methodologies, hyphenated and other multi-dimensional techniques, and microanalytical approaches. The journal also considers articles reporting developments in sample preparation, detection techniques including mass spectrometry, and data handling and analysis.

Developments related to preparative separations for the isolation and purification of components of biological systems may be published, including chromatographic and electrophoretic methods, affinity separations, field flow fractionation and other preparative approaches.

Applications to the analysis of biological systems and samples will be considered when the analytical science contains a significant element of novelty, e.g. a new approach to the separation of a compound, novel combination of analytical techniques, or significantly improved analytical performance. Areas to be considered include:

- the qualitative and quantitative analysis of biopolymers including proteins, peptides and their post-translational modifications as well as nucleic acids and glycans
- the comparative analysis of biological systems using proteomics, genomics, metabonomics and other "omics" approaches
- clinical analysis, pharmacokinetics, metabolism, therapeutic drug monitoring, toxicological analysis, doping analysis, veterinary applications, analysis of environmental contaminants in biological systems
- the screening and profiling of body fluids, tissues, cells, biological matrices and systems, analysis of endogenous compounds, biomarkers
- identification of new bioactive compounds

Applications which utilize published or commercial analytical or preparative protocols with little or no modification or where the results of the application rather than the analytical methodology comprise the major element of novelty of the manuscript should be directed to more specialized journals. Modifications to a previously published method may be considered for a short communication in cases where the improvement in performance is significant. Reports of analytical methods for compounds in early pharmaceutical development often lack general interest and will not be published unless the authors can demonstrate the broader significance of the methodology involved. Quality control analyses of bulk drugs, natural products or pharmaceutical formulations are not within scope.

**Submission of Papers.** Submission of both regular and special issue articles proceeds totally on-line via the journal submission website <http://ees.elsevier.com/chromb>. Review articles are invited or proposed in writing to the Editors who welcome suggestions for subjects. An outline of the proposed review should first be forwarded to the Editors for preliminary discussion prior to preparation. Submission of an article is understood to imply that the article is original and unpublished and is not being considered for publication elsewhere. For copyright regulations, see below.

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## PUBLICATION SCHEDULE

March	April	May	
863/2 864/1–2	865/1–2 866/1–2	867/1 867/2	The publication schedule for further issues will be published later.