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JOURNAL OF CHROMATOGRAPHY B

Analytical Technologies in the Biomedical and Life Sciences

AUTHOR INFORMATION PACK

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DESCRIPTION

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**.

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• The screening and profiling of body fluids, tissues, cells, biological matrices and systems, analysis of endogenous compounds, biomarkers
• Identification of new bioactive compounds

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AUDIENCE

Analytical Chemists, Biochemists, Clinical Chemists, Toxicologists. All those concerned with the analysis or preparation of endogenous or exogenous components in biological matrices, or in the interactions of these compounds.

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INTRODUCTION

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

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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.

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