



ANALYTICA CHIMICA ACTA

An International Journal Devoted to All Branches of Analytical Chemistry

AUTHOR INFORMATION PACK

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DESCRIPTION

Analytica Chimica Acta provides a forum for the rapid publication of original research, and critical reviews dealing with all aspects of fundamental and applied modern **analytical science**. The journal welcomes the [submission](#) of research papers which report studies concerning the development of new and significant analytical methodologies. In determining the suitability of submitted articles for publication, particular scrutiny will be placed on the degree of novelty and significance of the research and the extent to which it adds to existing knowledge in **analytical chemistry**.

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Manuscripts detailing fundamental research on all aspects of analytical theory and methodology (including chemometric techniques), such as innovative instrumental, chemical and biological approaches, detectors and sensors, sample treatment methods and data treatment that truly demonstrate new principles and/or important applications are especially encouraged. *Analytica Chimica Acta* focuses on fundamental new developments in the analytical sciences in general and discourages specialized application oriented submissions that are of interest to a limited number of readers. Papers describing the direct use of routine analytical methodologies or their straightforward/incremental extension to new sample matrices will normally be rejected unless new and important developments are described which can be demonstrated to give obvious and quantifiable advantages over existing approaches. In all submissions to the journal, authors must address the question of how their proposed methodology compares with those previously reported even if they employed different techniques/methodologies. The journal does not focus on application papers, especially those that are straightforward utilizations of commercial instrumentation or other existing techniques, regardless of how complex and expensive they may be. If submitted, application papers must clearly demonstrate a high level of general importance and interest to the analytical chemistry community at large.

It will normally be expected that where new analytical methodologies and developments are described these will be applied to a sample matrix of suitable analytical complexity. In such cases appropriate validation of the method should be provided, together with proper statistical treatment of data. Analytical performance characteristics of new methodologies should be given, including sensitivity, detection limits, calibration, accuracy, precision, and interferences. They must also clearly demonstrate substantial superiority in some important respect over existing alternatives.

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