TALANTA
The International Journal of Pure and Applied Analytical Chemistry

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DESCRIPTION

Talanta provides a forum for the publication of original research papers, short communications, and critical reviews in all branches of pure and applied analytical chemistry. Papers are evaluated based on established guidelines, including the fundamental nature of the study, scientific novelty, substantial improvement or advantage over existing technology or methods, and demonstrated analytical applicability. Original research papers on fundamental studies, and on novel sensor and instrumentation developments, are encouraged. Novel or improved applications in areas such as clinical and biological chemistry, environmental analysis, geochemistry, materials science and engineering, and analytical platforms for omics development are welcome.

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The name Talanta derives from the Greek word, used by Homer to mean a pair of scales. Such a balance was used for measuring talents or gold coins. See Talanta, 35(5)(1988)I-V for details. The symbol for the journal is a Greek balance taken from one of the Hope Vases.

talantaimage.jpg

AUDIENCE

Analytical Chemists.

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INTRODUCTION

*Talanta* provides a forum for the publication of original research papers, short communications, and critical reviews in all branches of pure and applied *analytical chemistry*

**TYPES OF PAPERS:**

**Full Papers**

Papers are evaluated based on established guidelines, including the fundamental nature of the study, scientific novelty, substantial improvement or advantage over existing technology or methods, and demonstrated analytical applicability. Original research papers on fundamental studies, and on novel sensor and instrumentation developments, are encouraged. Novel or improved applications in areas such as clinical and biological chemistry, environmental analysis, geochemistry, materials science and engineering, and analytical platforms for omics development are welcome.

**Short Communications**

Short communications comprise more abbreviated studies that demonstrate new concepts and applicability.

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Since classical spectrophotometric measurements and applications (including derivative spectrophotometry), fluorimetry, solvent extraction, titrimetry, chemometrics, etc. are well established and are considered routine analytical methods, studies in such areas should demonstrate a unique and substantial advantage over presently known systems. Standard chemometrics for optimization is not novel, but solving a problem or analyzing data may be appropriate. New reagents or systems should demonstrate clear advantage, and their presentation should be comprehensive rather than generating a series of similar papers for several analytes or similar reagents. Modifications of reagents should demonstrate significant improvements. Obvious application of known chemistries or methods to established instrumental techniques are discouraged.

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