

Special Issue

Applications of Stable Isotope Analysis

Message from the Guest Editors

The isotopic composition of matter is controlled by different physical, chemical, and biological mechanisms. The different transformations of such matter can be followed through stable isotope analysis. The development of accurate isotopic techniques has allowed the analysis of a wide variety of matrices, including environmental, biological and agri-food samples.

This Special Issue aims to provide an updated view and highlight the advances in the application of stable isotope analysis in the different fields of chemistry. Thus, it covers but is not limited to improvements on procedures and instrumentation, including new sample treatments and instrumental set up as well as novel analytical applications. Moreover, recent applications of already well-established methodologies with significant interesting results are highly welcomed, as well as review articles.

We truly believe that this collection will be highly attractive for the research community due to the increasing interest in isotopic analysis.

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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