



Fractionation and Sample Preparation Techniques Used in Bioanalyses

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Message from the Guest Editor

Sample preparation is key. Whether performing bioanalysis on biological samples themselves (e.g., tissues, homogenates, blood samples) or on extracts of various environmental compartments (e.g., water, soil, sediment, suspended matters, passive samplers), sample preparation predetermines the success of subsequent analysis. Organic and inorganic matrix components, such as lipids, proteins, salts, and humic acids can interfere with analysis by masking the biological effects of interest. Fractionation techniques can strengthen and complement bioanalyses by separating target analytes from such matrix components, providing improved detection of bioactive substances and better chances of identification.

The Special Issue welcomes any developments in sample preparation and/or fractionation techniques that enhance, specify, and are beneficial for the bioanalysis of biotic and abiotic samples.





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Message from the Editor-in-Chief

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