

Special Issue

Advances of Accurate Quantification Methods in Food Analysis

Message from the Guest Editors

Food safety and quality always represent an important topic. The accurate quantification of related components (pesticides and veterinary drugs, mycotoxins, persistent organic pollutants, nutrient content, etc.) plays key roles in the guarantee of food safety and quality. Concerning food analysis, sample pretreatment aims to enrich target analytes and remove matrix components (lipids, proteins, salts, acids, pigments, etc.). New extraction or purification sorbents provide high specificity and efficiency for the targets. Combined strategies exhibit excellent performance in lowering matrix effects. Afterwards, detection techniques (chromatography, mass spectrometry, nuclear magnetic resonance and their tandem techniques) provide the final quantification results. Some statistical strategies show great potential in origin traceability, authenticity or adulteration. This Special Issue welcomes any developments in novel sample pretreatment, detection techniques or statistical strategies to realize the accurate quantification of food components.

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

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