

Special Issue

Improve Food Safety and Quality: Analysis and Methods

Message from the Guest Editors

Food safety and quality are important issues for all of us both consumers as well as manufacturers. To improve our knowledge and awareness we need to enforce analysis and effective analytical techniques (methods) in order to provide a decisive assessment of food safety and quality. Novel analytical instrumentation, as well as novel developed methods, give us an opportunity to assess the food safety and quality from different types of compounds, elements, pathogens, and “unnecessary” food ingredients. Techniques such as, for example, ICP-OES, ICP-MS, F-AAS, GF-AAS, IR, FTIR, HPLC, HPIC, IC, LC-MS/MS, MALDI-MS, GC, GC-MS/MS, UV-VIS, NMR, LIBS, 4F, TOC, EDX, fluorescence, sample preparation methods, food indicators methods and hyphenated techniques and its methods in food analysis are welcome for submission. Moreover, statistical and chemometrics methods in food safety and food quality are welcome too. The aim of this Special Issue is to gather original research papers and review articles focused on the development and application of advanced and novel analytical techniques to develop innovative food analytical methods analysis of food for food safety and food quality.

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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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