

Special Issue

Applications of Analytical Chemistry in Food Science

Message from the Guest Editors

Analytical chemistry is the basis of studies on the composition and safety of foodstuffs. During the last decades, the possibility of investigating, with increasing accuracy and selectivity, the main chemical components of food, thanks to the use of increasingly advanced analytical techniques, has made it possible to significantly improve the quality of agri-food production, as well as to develop new products that increasingly meet the demand and requests of consumers.

Analytical techniques such as spectroscopy, spectrophotometry, and liquid and gas chromatographic techniques, coupled with various types of detectors, are the most historically used approaches, and, although largely replaced by new analytical approaches over the last few years, they still represent a very valid alternative for a series of analytical determinations, thanks to their robustness and versatility. Keywords:

- chromatography
- chemometrics
- food quality and safety
- mass spectrometry
- spectrophotometry
- proteomics
- novel food
- spectroscopy
- volatolomics
- lipidomics
- Raman
- traceability

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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