



## Applications of Analytical Chemistry in Food Science

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### 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

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