

## Special Issue

# Advanced Spectrometric Techniques for Food Analysis

### Message from the Guest Editor

"Advanced Spectrometric Techniques for Food Analysis" explores the application of cutting-edge spectrometric methods in food analysis, ensuring safety, quality, and authenticity. This field intersects several disciplines within Applied Sciences, primarily Chemistry & Materials Science and Engineering. Spectrometric techniques like UV–vis spectroscopy, mass spectrometry, infrared spectroscopy, and nuclear magnetic resonance offer a precise analysis of food composition, contaminants, and nutritional content. The interdisciplinary nature of this topic underscores its significance in addressing contemporary challenges in food safety, quality assurance, and consumer protection, making it a dynamic and evolving field within applied natural sciences. **Keywords:** spectrometric analysis; food quality; advanced technologies; mass spectrometry; UV–vis and/or infrared spectroscopy; nuclear magnetic resonance; food safety; chemical composition; engineering applications; data interpretation

### Guest Editor

Dr. Marisa Nicolai

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### Deadline for manuscript submissions

closed (31 October 2024)



## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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