



Emerging Spectroscopic Detection and Analytical Methods for Plant and Animal Analysis

Guest Editor:

Dr. Daniel Cozzolino

Centre for Nutrition and Food Sciences, Queensland Alliance for Agriculture and Food Innovation, St. Lucia Campus, The University of Queensland, Brisbane, QLD 4072, Australia

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Message from the Guest Editor

Advances in optics, physics, spectroscopy, and mathematics have prompted a wide range of novel applications in different fields of biology and chemistry. In particular, the utilization of near-infrared spectroscopy (NIR), mid-infrared spectroscopy (MIR), Raman spectroscopy, and hyperspectral imaging has been the backbone of the so-called high-throughput analytical methods. The advances in machine learning, new algorithms, etc. have boosted the incorporation of these techniques in many fields of research (phenotyping, functionality, etc.).

In this Special Issue titled “Emerging Spectroscopic Detection and Analytical Methods for Plant and Animal Analysis”, we welcome original research articles, review articles, innovative protocols, and reports on these topics. This Special Issue seeks high-quality works and topics focusing on the latest novel applications of NIR, MIR, and Raman spectroscopy, as well as hyperspectral imaging.

Keywords

- near-infrared
- hyperspectral
- image
- mid-infrared
- Raman
- big data
- multivariate data analysis
- machine learning





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Prof. Dr. Fernando Albericio

1. School of Chemistry and
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Message from the Editor-in-Chief

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Methods and Protocols Editorial
Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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