

## Special Issue

# Spectroscopy Applications in Plant and Plant-Based Foods

### Message from the Guest Editors

Plant-based foods refer to a variety of products made from fruits, vegetables, grains, legumes and pulses, etc. In recent years, spectroscopy technology has received extensive attention in the fields of plants and food. In addition, the development of imaging technology, microscopic equipment, and artificial intelligence has promoted the further application of spectroscopy technology in rapid and non-destructive detection. Noting the rapid expansion in spectroscopy, we are announcing a Special Issue of Applied Sciences entitled "Spectroscopy Applications in Plant and Plant-Based Foods". The aim is to explore the latest progress in applying spectroscopy technology to the quality and safety assessment of plant raw materials, food processing, and food products. Phenotypic information analysis, sensory quality evaluation, nutrient composition detection, microbial metabolism analysis, food functional assessment, contamination detection, etc., are encouraged. The optimization of analytical equipment and platforms, as well as innovative applications of analytical techniques and methods, are also welcomed.

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### Guest Editors

Dr. Yiyang Zhao

Dr. Wei Wang

Dr. Lei Zhou

Dr. Chu Zhang

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### Deadline for manuscript submissions

closed (20 February 2025)



## 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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