



New Trends in the Structure Characterization of Food

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Deadline for manuscript submissions:

closed (10 December 2025)

Message from the Guest Editors

Dear colleagues,

This Special Issue is dedicated to the compilation of research and recent advances in the analysis of the macro, micro and nanostructural arrangement of food and the relationship with its physicochemical, functional, rheological, nutritional, mechanical and thermal properties, with topics on new food materials and emerging technologies for the extraction of nutrients and components and their impact on the structure of food able to be presented.

All studies should include analyses such as spectroscopy—Raman, IR, X-ray diffraction—and microscopy techniques—light microscopy, confocal laser scanning microscopy, scanning electron microscopy, transmission electron microscopy, atomic force microscopy, or super-resolution microscopy such as saturated structured illumination microscopy, stimulated emission depletion microscopy, photoactivated localization microscopy, fluorescence photoactivation localization microscopy, and stochastic optical reconstruction microscopy —, as well as image analyses, among others. Researchers are invited to submit original papers or reviews.





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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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