

## Special Issue

# Advances in Supercritical Fluid Food Science and Technology

### Message from the Guest Editors

Extraction, fractionation, chemical and enzymatic reaction, analytical and preparative separations, particle formation, encapsulation, preservation, etc. are most recognized operations in which supercritical technology set up eye-catching food applications. The upcoming Special Issue aims to gather innovative applications and the most recent advances in the field of the Supercritical Fluid Technology applied to food system development, processes and products. Theoretical and applied research describing original experimental data, advances in process applications, products particularities and characteristics, singular case studies, etc., are welcome. Main topics include, but are not limited to:

- Extraction, fractionation and purification
- Microbial inactivation
- Biological activities of products
- Micronization, impregnation and encapsulation
- Chemical and enzymatic reactions
- Analytical and preparative chromatography
- Process simulation and optimization
- Process scaling up
- Economic and environmental impact assessment and marketing

**Keywords:** supercritical fluid technology, food processes, food chemistry, process modelling

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### Deadline for manuscript submissions

closed (31 August 2019)



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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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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