



## Ultrasound in Extraction Processing

Collection Editors:

**Prof. Dr. Farid Chemat**

Groupe de Recherche en Eco-Extraction de Produits Naturel, Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement, Université d'Avignon et des Pays du Vaucluse, 84029 Avignon, France

**Prof. Dr. Muthupandian Ashokkumar**

School of Chemistry, Faculty of Science, University of Melbourne, Melbourne, VIC 3010, Australia

### Message from the Collection Editors

Ultrasound-assisted extraction is a “hot” research topic which affects several fields of modern plant-based chemistry. Ultrasound is a key-technology in achieving the objective of the “sustainable” and “green” extraction of natural products. This special issue will present a complete picture of the current knowledge on ultrasound-assisted extraction (UAE) in food ingredients and products, nutraceuticals, cosmetic, pharmaceutical, and bioenergy applications. The present Special Issue, “Ultrasound in Extraction Processing”, aims to collect and publish recent advances in this interdisciplinary area in the form of reviews and research articles dealing with extraction by ultrasound, the techniques and their combinations, the mechanisms, applications from laboratory to industry, security, and environmental impacts. Experts are welcome to give their opinion about how Ultrasound Extraction contributed/contributes/will contribute to the natural products area, possible trends, and perspectives.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)