

Special Issue

Emerging Technologies of Extraction, Isolation, and Identification of Bioactive Compounds from Plants

Message from the Guest Editors

Bioactive compounds especially of plant origin are broadly applied in various industries. The extraction, isolation and purification of those extracts are crucial steps in determining the quality of end products. Thus, lately observed a growing trend in searching for new more efficient technologies that may replace conventional techniques. The emphasis is put particularly on green extraction methods that are environmentally friendly or methods that can reduce the cost of the extraction process. Emerging technologies of extraction such as supercritical fluid extraction, ultrasound-assisted extraction, microwave-assisted extraction, high hydrostatic pressure, pulsed electric field, high voltage electrical discharge, pressured fluid extraction, enzyme-assisted extraction, extraction using deep eutectic solvents and others are more often studied in terms of possible usage in the large scale industry. We welcome all studies that researched novel approaches to the extraction of bioactive compounds from plants at any stage: sample preparation, extraction, isolation or purification.

Guest Editors

Dr. Ewelina Pogorzelska

Department of Technique and Food Development, Institute of Human Nutrition Sciences, Warsaw University of Life Sciences, 02-776 Warsaw, Poland

Prof. Dr. Agnieszka Wierzbicka

Institute of Human Nutrition Sciences, Department of Technique and Food Product Development, Warsaw University of Life Sciences (WULS-SGGW), 02-776 Warsaw, Poland

Deadline for manuscript submissions

closed (30 January 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/134008

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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.

Editor-in-Chief

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

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)