



Recovery of Polyphenol-Rich Bioactive Compounds from Food Processing Industry Wastes/by-Products

Guest Editors:

Dr. Taner Sar

Swedish Centre for Resource Recovery, University of Borås, 50190 Borås, Sweden

Dr. Sandrina A. Heleno

Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal

**Prof. Dr. Rúbia Carvalho
Gomes Corrêa**

Cesumar Institute of Science, Technology and Innovation-ICETI, Cesumar University- UniCesumar, 1610 Guerdner Venue, Acclimation Gardner, Maringa, Parana, Brazil

Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

This Special Issue plans to provide an overview of the latest developments in the recovery of bioactive compounds with strong biological properties and their applications in various industries. The main goal is to cover the most applied extraction technologies applied to food waste to recover added-value molecules with potential industrial applications, acting as antibacterial, antifungal, or antibiofilm agents. It is also intended to provide information regarding the characterization, cataloguing, and industrial usability of these extracts.

Potential topics include but are not limited to:

Valorization of food industry wastes through innovative green extraction processes;

Extraction of food-based wastes to obtain valuable bioactive compounds;

Determination of antimicrobial, anticancer, antimalarial, antiviral, and insecticidal activities of the extracts;

Antibiofilm properties of natural extracts;

Antioxidant activities of extracts and their health benefits;

Effects of extracts on microbial processes to produce biometabolites





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

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