

Special Issue

Sustainable Recovery of Bioactive Compounds from Food Industry By-Products

Message from the Guest Editors

The agri-food industry generates substantial amounts of by-products and residues, which, if not properly managed, contribute to environmental pollution and economic losses. In recent years, the concept of waste valorization has gained significant attention as a sustainable strategy to reduce food waste while obtaining high-value bioactive compounds with potential applications in the food, pharmaceutical, and cosmetic sectors. These by-products often contain valuable phytochemicals, including antioxidants, anti-inflammatory agents, and neuroprotective compounds, which can contribute to disease prevention and promote human health. To efficiently recover these bioactives, the development and optimization of advanced, environmentally friendly extraction technologies have become essential. This Special Issue welcomes manuscripts addressing innovative, sustainable extraction processes; the characterization of bioactive compounds from food industry by-products; and their application in functional foods, nutraceuticals, pharmaceuticals, and cosmetic products.

Guest Editors

Dr. Gloria Domínguez-Rodríguez

Dr. José Ignacio Alonso-Esteban

Dr. Stefania Pagliari

Deadline for manuscript submissions

30 December 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/239124

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

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





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)