



foods



an Open Access Journal by MDPI

Green Extraction Technology of Polyphenols from Food By-Product

Guest Editor:

Dr. Ioannis Mourtzinis

Laboratory of Food Chemistry
and Biochemistry, Department of
Food Science and Technology,
School of Agriculture, Aristotle
University of Thessaloniki, 54124
Thessaloniki, Greece

Deadline for manuscript
submissions:

closed (17 December 2021)

Message from the Guest Editor

Dear Colleagues,

Polyphenols, along with oil, are the basic bioactive ingredients that could be derived from food waste and agricultural byproducts and used for several applications due to their antioxidant and antimicrobial properties. Extracts rich in polyphenols from byproducts could be used to fortify food or nutritional supplements for the enhancement of the antioxidant and antimicrobial potency of a daily diet. Recently, extraction methods have combined eco-friendly solvents and a high yield of bioactive compounds isolation. Green extraction, using aqueous solutions and excluding organic solvents or energy-consuming methods, is a promising approach. Many researchers support the effectiveness of aqueous solutions of cyclodextrin as eco-friendly solvents appropriate for phenolic compounds derived from many plant materials.

Dr. Ioannis Mourtzinis

Guest Editor



mdpi.com/si/37640

Special Issue

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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)**, **PubMed**, **PMC**, **FSTA**, **AGRIS**, **PubAg**, and **other databases**.

Journal Rank: JCR - Q1 (*Food Science & Technology*) / CiteScore - Q1 (*Health Professions (miscellaneous)*)

Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
X@Foods_MDPI