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Green Extraction Technology of Polyphenols from Food By-Product

Guest Editor:

Dr. Ioannis Mourtzinou

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

mourtzinou@agro.auth.gr

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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 Mourtzinou

Guest Editor



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

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