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Procyanidins: From Agro-Industrial Waste to Food as Bioactive Molecules

Guest Editors:

**Dr. Maria da Conceição
Oliveira**

Centro de Química Estrutural,
Institute of Molecular Sciences,
Instituto Superior Técnico,
Universidade de Lisboa, 1049-001
Lisboa, Portugal

**Dr. Maria do Carmo Martins
Serrano**

1. Instituto Nacional de
Investigação Agrária e Veterenária
(INIAV, IP), 2780-157 Oeiras,
Portugal
2. LEAF—Linking Landscape,
Agriculture and Food Center,
Instituto Superior de Agronomia,
Universidade de Lisboa, 1349-117
Lisboa, Portugal

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Message from the Guest Editors

Dear colleagues,

The agro-food industry generates a large quantity of byproducts that are currently considered an industrial surplus. These byproducts constitute a raw material that can be valorized, for containing high concentrations of bioactive compounds, in order to obtain natural products, at reduced costs, with good perspectives of application in different areas of industry.

An interesting application of the byproducts of the agro-food industry is its use as raw material for the extraction of natural dyes for food purposes, due to the presence of carotenoid compounds, anthocyanins, chlorophylls, etc. The interest in these pigments has increased in recent years mainly due to the growing trend toward the development of food colors from natural sources as an alternative to synthetic colors, and also due to their high antioxidant activity that contributes to the prevention of various types of diseases (Mahdavi et al., 2016).

The topic is highlighted in socio-economic and public health terms, contributing to the Sustainable Development Goals 2030 (SDG), enabling a circular economy (through the use of biowaste) and the extended impact to other industrial sectors.



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Special Issue



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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

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

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