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Secondary Metabolites Extraction and/or Functionalization: from Industrial Co-product to Cosmetic Applications

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Message from the Guest Editors

Dear Colleagues,

Currently, consumers are increasingly favoring the replacement of petrochemical molecules by bio-based molecules. This is the case in many fields and especially in the cosmetic industry where renewable antioxidants, preservatives, dyes, and whitening agents are sought after. These compounds are present in varying amounts in several industrial co-products that are currently undervalued or not valued at all. The recovery of bioactive secondary metabolites from these co-products through eco-extraction processes appears to be a relevant recovery method. Subsequently, the extracts can be used or functionalized by green chemistry or enzymatic reactions. Thus, this Special Issue will present work related to (i) the implementation of eco-extraction, separation, and purification processes to obtain extracts rich in secondary metabolites with cosmetic properties, (ii) their functionalization by green chemistry or biocatalysis, and (iii) characterization of unknown native/modified secondary metabolites or extracts through techniques such as HPLC, MS, LC–MS, HPLC–MS, and NMR for cosmetic applications.

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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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