Special Issue

Bioactives from Plants: Content, Accumulation and Means to Reach Higher Levels

Message from the Guest Editor

Bioactives from plants are expected to play an increasing role in future food and industries. They are a source of pharmaceutical molecules, dietary and industrial lipids for different chemical uses, and for pigments and bio-sourced dyes. The demand for renewable energy to replace oil is important and competition with other industries for the use of plants is growing. The valorization of the whole plant with several outlets is now admitted. Thus, after extraction of oils from seeds, cake is used, not only for animal feed, but also for the extraction of proteins, antioxidants, and sometimes pigments or dyes. This exploitation is often based on a single vegetable source (a species, a variety, or a mixture of different crops). A better characterization of the composition of the plant or organ, varietal or specific genetic variability, the accumulation of bioactives during the formation of the target organ or different compartments of this organ (seed, almond, hull, tegument, etc.) would improve the levels of these compounds in plant.

Guest Editor

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