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Recent Developments in Bioactive Molecules Evaluation

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Deadline for manuscript submissions:
closed (31 October 2020)

Message from the Guest Editor

Recently, attention has been growing on bioactive metabolites, such as carotenoids and polyphenol derivatives, which can be naturally present in food or can also be produced in living organisms through chemical or enzymatic activities—for example, the apocarotenoids produced by carotenoid cleavages or the ellagitannins derivatives like urolithins produced by the gut microbiota. The elucidation of the metabolic fate of phenolics and carotenoids and their bioavailability represents a real challenge to understand and unravel the molecular forms responsible for the health-related properties attributed to them. New sophisticated methodologies will provide information about bioactive molecules present in food and about the fate of ingested molecules. This Special Issue aims to collect papers dealing with all aspects of bioactive molecules and their derivatives' chemical characterization in order to provide an updated overview of the state of the art in bioactives; papers describing recent developments in the extraction and qualitative–quantitative characterizations of bioactives' metabolites in both food and living organisms will be especially welcome.

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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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