

Special Issue

Anti-inflammatory and Antioxidant Activities of Bioactive Compounds in Plants

Message from the Guest Editors

From antiquity to the present day, the anti-inflammatory and antioxidant effects of plant metabolites are well known in traditional medicine and are one of the main desirable qualities when searching for new medicinal or cosmetic preparations. In recent years, research into the molecular mechanisms of their action at the cellular and tissue level has grown exponentially, and researchers are increasingly searching for the exact molecules or molecular combinations to alleviate the symptoms of several diseases. In this Special Issue, “Anti-inflammatory and Antioxidant Activities of Bioactive Compounds in Plants”, we want to bring together the latest research in this field. Their anti-inflammatory properties would advance the therapy of many diseases such as inflammatory bowel disease, psoriasis, diabetes complications, cancer, and other severe and chronic diseases; their anti-aging properties are also of interest. The focus of our attention is on the mechanisms of action of plant secondary metabolites within in vitro test model systems or preclinical trials; we are also interested in food processing and storage and other areas where antioxidant action is important.

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