

Special Issue

Bioactivity and Analysis of Natural Products in Plants

Message from the Guest Editors

Natural products, including medicinal plants, spices, fruits, and vegetables, contain a wide assortment of nutritional and health-promoting bioactive compounds. The significance of bioactive natural compounds acting as antioxidants, enzyme inhibitors, and immunomodulating molecules are drawing increasing attention with regard to discussions on the prevention and treatment of inflammatory-based diseases, because they have the potential to be utilized to treat and slow the progression of many inflammatory-based diseases such as cancer, cardiovascular diseases, diabetes, neuroinflammatory, and neurodegenerative diseases. The aim of this Special Issue is to contribute to improving knowledge on the benefits of plant bioactive compounds in a range of human inflammatory-based pathologies, serving as sources of active components useful for treating inflammation. Both original research and review articles will be considered. Original investigations in animal and cell models as well as bioavailability studies and clinical studies are also welcome.

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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