



Bioactive Natural Compounds: Protecting Plants and Promoting Human Health

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Recently, interest in natural resources, e.g., plants, biomass processing coproducts, microorganisms and algae, as the source of bioactive compounds, has been booming worldwide. Climate, economic and social change are the main drivers challenging the scientific community to find effective and sustainable bio-based products to meet new legislations and consumer choices. Bioactive natural compounds offer a wide variety of possible applications, ranging from plant protection to human-health-promoting effects.

This Special Issue welcomes original research and reviews covering several aspects of natural compounds including, but not limited to, the following: their discovery in and from different sources; their extraction, isolation and characterization; their biotechnological production and chemical modification; the evaluation of their in vitro and in vivo bioactivity; their role at a molecular level and the elucidation of their mechanism of action; and the investigation of their stability and functionality for potential practical application in plant protection and human health.





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Message from the Editor-in-Chief

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