



Bioactive Compounds from Natural Products: Separation, Characterization and Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

This issue aims to publish new and innovative research that could demonstrate the therapeutic potential of natural health products by *in vitro* and/or *in vivo* biological activities relevant to prevent or to alleviate degenerative diseases. The interaction of natural health products with human microbiota represents an essential aspect because it could modulate the microbial pattern and alleviate more of the chronic disease's effects in case of type 2 diabetes, cardiovascular dysfunctions, neurodegenerative diseases, and inflammatory colon pathologies.

Additionally, you are invited to send research based on the effect of different extracts or functional foods used in degenerative pathologies and interactions with human microbiota. We aim to identify new data on *in vitro*/*in vivo* research that could demonstrate the bioavailability of natural compounds and the relation with antioxidant/antimicrobial capacity. Modulated microbiota aspects are expected to be published, based on the interaction with natural compounds, natural sweeteners or other molecules that influence the colon health status.

Dr. Emanuel Vamanu

Guest Editor





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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