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Chemical Analysis / Biological Functions of Tea

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Message from the Guest Editors

Dear Colleagues,

Tea is one of the most widely consumed beverages in the world and has been used for centuries for its biological functions. The biological functions of tea have been attributed to its abundant active components. The large number and variety of tea compounds as well as their secondary metabolites need further exploration. Chemical analysis, especially the advancement of high-precision analysis techniques and modern data analysis methods, has provided new tools for qualitative and quantitative analysis of tea compounds. These components have been found to not only exhibit various biological functions in animals, but also act on the growth and development of plants, such as providing defense against pests and diseases, growth regulation, and stress tolerance. Moreover, the various effects of tea components on microorganisms such as bacteria, fungi, and viruses have also been reported.

This Special Issue aims to provide recent findings on the chemical analysis, biological functions, and action mechanisms and applications of tea components. Both original research and review articles are welcome.



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Special *Issue*



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Message from the Editor-in-Chief

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