

Special Issue

Chemical Analysis / Biological Functions of Tea

Message from the Guest Editors

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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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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