Special Issue

The Effect of Natural Compounds from Tea on Metabolic Diseases

Message from the Guest Editors

Metabolic diseases are becoming a significant and growing global health burden. Over the last several decades, there has been an increased interest in identifying active natural ingredients for preventing and treating metabolic diseases. Tea is produced from leaves of the plant Camellia sinensis and has been reported to be able to prevent various diseases. One of recent focal points of tea for health is the influence of tea on metabolic diseases. Tea can be categorized into six types according to the oxidation degree of tea catechins, which are regarded as major functional ingredients in tea for improving metabolic diseases. The oxidized products of tea catechins, theanine, caffeine, and tea polysaccharides also have the potential to improve metabolic diseases. However, the effects and mechanisms of tea compounds in improving metabolic health are not fully understood. To further affirm the metabolic regulation potential and promote the future utilization of tea products in the management of metabolic diseases, this Special Issue calls for original research articles or thought-provoking reviews regarding the effects of tea and/or tea compounds on mitigating metabolic diseases.

Guest Editors

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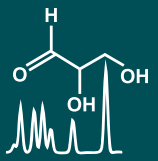

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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