Special Issue

Bioactive Compounds in Obesity and Its Metabolic Complications

Message from the Guest Editors

The problem of obesity has grown worldwide, along with related diseases such as hypertension, type 2 diabetes, non-alcoholic fatty liver disease (NAFLD), dyslipidemia and cardiovascular diseases. During obesity, adipocytes un-dergo hyperplasia and hypertrophy, and adipose tissues in other areas release adipokines and pro-inflammatory cytokines, leading to a low-grade inflammatory state that worsens these conditions. The production of oxidative stress is also linked to obesity and inflammation. This Special Issue is dedicated to research on natural compounds that provide a promising strategy to combat obesity and metabolic disease. The activity of these compounds can help reduce oxidative stress and attenuate the inflammatory process involved in obesity. It also includes topics such as the effects of metabolites on pharmacology and the underlying molecular mechanisms. Research in the fields of biochemistry, pharmacology, phytochemistry and medicine are invited to contribute to this Special Issue.

Guest Editors

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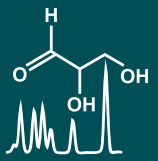

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Message from the Editor-in-Chief

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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