

Special Issue

Natural Products and Dietary Supplements in Weight Loss: Metabolomic Perspectives

Message from the Guest Editors

Overweight and obese are intricately linked to numerous health ailments. As we strive to address these health challenges, interventions ranging from dietary and lifestyle adjustments to bariatric surgery and medicated weight loss drugs have become increasingly prevalent.

Notably, low-calorie dietary approaches, such as intermittent fasting and caloric restriction, supplemented with natural products rich in bioactive compounds like polyphenols, herbs, or specified metabolite regulators, have gained traction for their purported health benefits. While these approaches primarily target changes in body weight and composition, exploring their broader effects on cardiometabolic health and other physiological systems is crucial. Furthermore, the impact of weight loss interventions on the plasma metabolome, shaped by dietary, environmental, and pathophysiological processes, including obesity, warrants thorough investigation.

This Special Issue aims to identify, characterize, and elucidate the potential efficacy and underlying mechanisms of natural products or dietary supplements in the context of weight loss, with a particular emphasis on metabolomics.

Guest Editors

Dr. Eric Gumprich

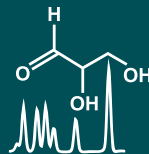
Independent Researcher, Gilbert, AZ 85233, USA

Dr. Alex Mohr

College of Health Solutions, Arizona State University, Phoenix, AZ 85004, USA

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Metabolites
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metabolites@mdpi.com

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About the Journal

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

Dr. Amedeo Lonardo

Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

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