Special Issue

Epidemiology, Nutrition and Metabolism

Message from the Guest Editors

Nutritional epidemiology has long been defined as exploring the relationship between food and human health and disease at the community level. Recently, nutritional epidemiology has moved from a black box to a systems approach, whereby metabolic indicators give new insights into the relationship between food and health. Indeed, metabolomics is emerging as a new focus in nutritional epidemiology. However, key challenges such as robust validation of biomarkers and novel methods for identifying novel metabolites, including prediction algorithms obtained with innovative machine learning approaches, must be addressed to fully appreciate the potential of metabolomics in nutritional epidemiology. A deeper understanding of metabolic pathways will enhance disease monitoring and management, especially relevant in preventive medicine settings. The purpose of this Special Issue is to explore the metabolic paths of epidemiological nutrition in public health. Original articles, systematic reviews, reviews, mini-reviews, and clinical trial articles will be welcome.

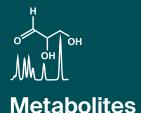Dr. Hélio José Coelho-júnior

Guest Editors

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Deadline for manuscript submissions

closed (30 March 2024)

Metabolites

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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

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