

Special Issue

Nutrigenetics, Nutrigenomics, and Personalized Nutrition

Message from the Guest Editors

This Special Issue invites original research articles and reviews that examine the interface between genetic and epigenetic variation, nutritional exposures, and clinically relevant outcomes in human populations. The use of other omics approaches will also be considered. Submissions grounded in mechanistic study designs are especially encouraged, particularly those in which the causal relationship between nutrient intake, genetic variation, and physiological response is articulated and well-supported. We welcome contributions from observational studies, clinical trials, intervention studies, and longitudinal cohorts, as well as investigations of gene–diet interactions, sex- and ancestry-specific responses, and omics-based biomarker discovery.

As computational tools such as AI enhance our ability to interpret complex nutritional and 'omics' datasets, there is a need for rigorous, data-rich, and clinically applicable research that can inform the development of equitable and biologically precise nutrition strategies. This Special Issue aims to bring together contributions at the forefront of this multidisciplinary field.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Dietetics is an international, peer-reviewed, open access journal of human dietetics. It publishes reviews, regular research papers, and communications. Our aim is to publish timely experimental and theoretical research results in a rapid and readily accessible manner.

Editor-in-Chief

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