

Special Issue

Impact of Diet Composition on Insulin Resistance—Second Edition

Message from the Guest Editors

Insulin resistance plays a key role in the pathology of cardiometabolic diseases, which include obesity, hypertension, dyslipidaemia, type 2 diabetes and MAFLD. These diseases are commonly associated with peripheral insulin resistance, which is a problem, as insulin plays a role in the brain circuitries that control food-related behaviour and autonomic activity. Brain insulin resistance is also associated with cognitive impairment, Alzheimer disease and other neurodegenerative diseases. Disruptions in diet composition and patterns, as well as nutritional status, contribute to the genesis of insulin resistance. In contrast, hypocaloric diets, certain feeding regimens and some nutrients have beneficial impacts on insulin resistance and disease development. This second volume of the Special Issue “Impact of Diet Composition on Insulin Resistance” aims to compile studies that highlight the beneficial or deleterious impacts of different nutritional plans on insulin sensitivity and metabolism, and that unravel the mechanistic links between both diet composition and nutritional status and the development of insulin resistance, both periphery and centrally.

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Deadline for manuscript submissions

closed (25 June 2024)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/193553

Nutrients
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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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