

Special Issue

Influence of Nutrients on Acid-Base Balance

Message from the Guest Editor

This Special Issue aims to provide the most updated clinical evidence concerning the relationship between food carrying acid-forming nutrients and chronic and metabolic disorders, and also related mechanisms in their progression. Nutrients are known to influence the body's acid-base balance, providing precursors of non-volatile acids and bases. Diets high in acid-forming nutrients induce a chronic low-grade metabolic acidosis status jointly with the progress of metabolic alterations such as insulin resistance, diabetes, metabolic bone disease, chronic kidney disease, age-related muscle loss, hypertension, and other chronic diseases. This Special Issue is also of interest to long-term artificial nutrition patients. Metabolic acidosis and metabolic bone disease are frequent complications in patients receiving total parenteral or enteral nutrition due to the excessive exogenous administration and/or endogenous production of non-volatile acids. Submissions of experimental papers, up-to-date reviews (systematic reviews and meta-analyses), and commentaries addressing a broad range of issues related to this topic are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (1 October 2020)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/35022

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About the Journal

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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