

Special Issue

Zinc in Health and Disease

Message from the Guest Editors

Zinc contributes to the proper functioning of numerous enzymes, the structural integrity of cellular components, and regulation of gene expression. Zinc is widely distributed in foods, and its bioavailability is affected by other dietary constituents. Regulation of zinc metabolism is achieved through a balance of absorption and excretion and involves adaptive mechanisms. Zinc ions influence a number of signal transduction pathways, including insulin signaling, and regulate leptin secretion from adipose tissue, potentially linking cellular zinc metabolism to apoptosis, insulin resistance and dyslipidemia. The aim of this focus issue is to explore zinc bioavailability, biomarkers of zinc status, and the relationships between zinc intake and chronic disease.

Guest Editors

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Dr. Nicola Lowe

Dr. Arthur Grider

Deadline for manuscript submissions

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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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