

## Special Issue

# Selenium-Rich Products: Their Development and Regulation of Human Health

### Message from the Guest Editor

Selenium (Se) is an essential trace element for both human health and animal nutrition. However, Se deficiency remains a nutritional challenge in some areas of the world and can cause serious health problems, including cardiovascular disease, Keshan disease, and cognitive decline. People acquire almost all of their Se intake through food, where, after its uptake, it performs various physiological functions in the body in the form of selenoproteins, which are well known for their redox activity and anti-inflammatory properties. Notably, Se's assimilation efficiency from the diet depends on its form. Consequently, how to supplement Se more efficiently through the diet remains a critical subject to explore.

This Special Issue of *Nutrients* will contain animal and human research on the production of several innovative Se-rich products, as well as their significance in health and illness, alongside considerations or discussions of genetic and metabolic aspects. We aim to provide new insights into the role of Se in maintaining and promoting health. We also encourage studies investigating Se as an intervention to improve health and the role of novel selenoproteins in health.

### Guest Editor

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### Deadline for manuscript submissions

closed (5 April 2025)



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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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