

## Special Issue

# Artificial Intelligence-Enhanced Nutritional Approaches: Dietary Innovations and Chronic Disease Management

### Message from the Guest Editor

The rapid advancement of artificial intelligence (AI) is transforming the field of nutrition and chronic disease research, offering unprecedented opportunities to refine dietary assessment, predict disease risk, and design personalized interventions. This Special Issue aims to highlight cutting-edge research that leverages AI for disease prevention, diagnosis, and management through nutritional strategies. The areas invited to explore include:

- mechanistic discovery of interactions among diet, metabolism, microbiome and disease via AI-driven analytics;
- AI or wearable technologies in food and nutrition assessment and monitoring;
- applications of AI or wearable technologies in food and nutrition assessment and monitoring or behavior change supports for chronic disease management;
- future direction of deploying AI-enabled personalized nutrition in real-world chronic disease settings.

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### Guest Editor

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### Deadline for manuscript submissions

15 November 2026



## Nutrients

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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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