

## Special Issue

# The Important Role of Artificial Intelligence in Nutrition Assessment and Healthy Eating

### Message from the Guest Editor

Artificial intelligence (AI) is emerging as a powerful but still nascent tool in nutrition and healthy eating assessments as a cost-efficient adjunct for more equitable and effective individual healthcare, population health, and public health. Toward such health improvements, there are promising use cases suggesting the efficacy of AI, especially in deep learning, machine learning, wearable devices, and chatbots, to improve dietary tracking and guide more personalized nutrition, especially as part of chronic disease management in cardiovascular disease, hypertension, diabetes, and obesity. Yet there are significant research gaps in this field on the explosive rise in next-generation AI agents, platforms, infrastructure, computer vision, and the scaling of promising interventions. Even less understood is the ethical guidance, cost-effectiveness, healthy equities, environmental sustainability, and health policy translation of such AI applications for nutrition. This Special Issue welcomes the submission of original research and review papers to fill these knowledge gaps.

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### Deadline for manuscript submissions

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## Nutrients

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*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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