

Special Issue

From Deficiency to Diagnosis: Non-Invasive Approaches in Nutrition Science

Message from the Guest Editor

Advancements in health technology are paving the way for non-invasive systems that can revolutionize the field of nutrition science. As the demand for precision health grows, innovative approaches are being developed to detect nutrient deficiencies, monitor nutritional biomarkers, and diagnose nutrition-related diseases without the need for invasive procedures.

Non-invasive methods, including biosensors, wearable devices, imaging technologies, and digital algorithms, offer promising alternatives to traditional invasive diagnostics. These approaches hold the potential to identify nutrient deficiencies, detect early signs of nutrition-deficiency diseases, and monitor chronic conditions such as inflammation.

Combined with advances in artificial intelligence and machine learning, these systems can personalize nutrition interventions, making them more effective, accessible, and patient-friendly.

For this Special Issue, we invite researchers, clinicians, and technologists to contribute original studies, reviews, and perspectives on the development and implementation of non-invasive techniques in nutrition science.

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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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