

## Special Issue

# The Effects of Dietary Fat on Gut Microbiota and Metabolic Health

### Message from the Guest Editors

Non-transmissible chronic diseases (NTCDs) are a big concern worldwide, primarily due to persistent inflammation and altered food ingestion. In recent years, a substantial piece of research addressed the impact of nutrition on several NTCDs, such as metabolic syndrome (MS), type II diabetes mellitus, obesity, dyslipidemia, cardiometabolic disease, and related disorders. Food lipids are fundamental in this aspect, especially in metabolic syndrome, mediating the gut microbiota. The characteristics of consumed fatty acids are crucial in such diseases, mainly when we highlight the essential polyunsaturated fatty acids (PUFAs). Nutraceutical foods are essential in the action mechanisms of comorbidities since healthy lifestyles and food chemical characteristics can attenuate them. Genetic predisposition is strongly related to metabolic changes. Several pre-clinical and clinical studies have been developed to show the importance of such alterations over life, demonstrating the importance of nutrigenomic studies in animals and humans with novel results. Narrative systematic reviews or meta-analyses will also be accepted.

### Guest Editors

Prof. Dr. Rita Guimarães

Prof. Dr. Arnildo Pott

Prof. Dr. Priscila Hiane

### Deadline for manuscript submissions

closed (15 July 2024)



## Nutrients

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*Nutrients*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nutrients@mdpi.com](mailto:nutrients@mdpi.com)

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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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### Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (UIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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