



The Effects of Dietary Fat on Gut Microbiota and Metabolic Health

Guest Editors:

Prof. Dr. Rita Guimarães

Graduate Program in Health and Development in the Central-West Region of Brazil, Federal University of Mato Grosso do Sul (UFMS), Campo Grande 79070-900, Brazil

Prof. Dr. Arnildo Pott

Institute of Biosciences, Federal University of Mato Grosso do Sul (UFMS), Campo Grande 79079-900, Brazil

Prof. Dr. Priscila Hiane

Graduate Program in Health and Development in the Central-West Region of Brazil, Federal University of Mato Grosso do Sul (UFMS), Campo Grande 79070-900, Brazil

Deadline for manuscript submissions:

15 July 2024

Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

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 (IUIBS), 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

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Food Science)

Contact Us

Nutrients Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nutrients
nutrients@mdpi.com
X@Nutrients_MDPI