



*nutrients*



an Open Access Journal by MDPI

## The Effects of Dietary Lipids on Inflammation and Gut Microbiota

Guest Editor:

**Dr. Olena Prykhodko**

Department of Food Technology,  
Engineering and Nutrition, Lund  
University, 221 00 Lund, Sweden

Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editor

There is evidence that impairments in lipid metabolism stimulate proinflammatory responses in the body, disturbing proper function of immune system. This might result in chronic inflammation that also affects the function of the digestive system, such as digestion, nutrient absorption, and intestinal barrier function. Furthermore, disturbances in gut microbial composition, known as gut dysbiosis, have been shown to have a significant impact on both the progression of the inflammatory process in the body and subsequent development of non-communicable diseases such as diabetes type II, cancer, and neurodegenerative diseases. Consequently, this Special Issue on ‘The Effects of Dietary Lipids on Inflammation’ aims to gather scientific evidence on the association among lipid metabolism, inflammation, and gut microbiota composition, as well as prospects to counteract diet-induced disturbances inked to lipid metabolism.



[mdpi.com/si/136287](https://mdpi.com/si/136287)

**Special** *Issue*



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, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/nutrients  
nutrients@mdpi.com  
X@Nutrients\_MDPI