

Special Issue

Polyunsaturated Fatty Acids: New Molecular Mechanisms and Nutritional Therapeutic Challenges

Message from the Guest Editors

Among the molecules that have aroused great interest in the scientific community, polyunsaturated fatty acids (PUFAs) are of particular importance in terms of both nutrition and health. It has been clearly established that PUFAs, of natural or industrial origin, constitute aggravating or protective factors in various diseases (cardiovascular, cancer, inflammatory, etc.) and age-related processes. In this evolving scientific context, knowledge regarding the link between PUFAs and health is rapidly advancing. This Special Issue aims to cover areas related to the biosynthesis and distribution of PUFAs, their bioavailability and their health benefits, both in the field of nutritional prevention and in the therapeutic field. Specifically, this Special Issue will highlight newly discovered biological mechanisms of PUFAs and their derivatives in various pathologies, along with their potential applications.

Guest Editors

Prof. Dr. Dominique Delmas

1. Inserm Research Center UMR1231 "Lipids, Nutrition, Cancer",
Université de Bourgogne, 7 Blvd Jeanne d'Arc, 21000 Dijon, France
2. Centre de Lutte Contre le Cancer Georges-François Leclerc Center,
21000 Dijon, France

Dr. Virginie Aires

Inserm Research Center UMR1231 "Lipids, Nutrition, Cancer", Université
de Bourgogne, 7 Blvd Jeanne d'Arc, 21000 Dijon, France

Deadline for manuscript submissions

closed (25 May 2024)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/189050

Nutrients
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)





Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)



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.

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

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 (Nutrition and Dietetics)