

Special Issue

Influence of Fructose and Glucose Metabolism for Human Health

Message from the Guest Editors

The impact of unbalanced nutrition on physiological functions is a public health concern. Sugar overconsumption has been highlighted as potentially harmful by institutes involved in nutritional recommendation, including the French Anses institute. Since the 1960s, sugar has been added to processed food. In addition, the ending of European sugar quota in 2017 will likely further increase its intake by 8–15% in the next decade. The nature of ingested sugars is particularly important since monosaccharides—products of sugars digestion, including glucose, fructose, galactose—do not have the same impact, depending on the organs they are absorbed in. This Special Issue of the journal *Nutrients* will welcome original articles or reviews addressing the questions of the impact of ingested sugars on health. We invite you to submit manuscripts that provide insights on how complex sugars or monosaccharides affect cerebral or peripheral functions. Studies showing how sugar consumption impact gut microbiota physiology will be also welcome. Relevant epidemiological data or research focusing on human, animal models or on “in vitro” approaches will be welcome.

Guest Editors

Dr. Xavier Fioramonti

Institut National de la Recherche Agronomique, Université de Bordeaux, Bordeaux INP, NutriNeuro, UMR 1286, F-33000 Bordeaux, France

Dr. Veronique Douard

INRAE Agroparistech, Inst MICALIS, Jouy En Josas, France

Dr. Chloe Melchior

1. Gastroenterol Dept, Rouen Univ Hosp, Rouen, France
2. INSERM UMR 1073, Institute for Research and Innovation in Biomedicine, Normandy University, Rouen, France

Deadline for manuscript submissions

closed (15 July 2022)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/107483

Nutrients

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 4.8
CiteScore 9.2
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 (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)