



## Influence of Fructose and Glucose Metabolism for Human Health

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)**

### 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.





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