



## Physical Exercise and Nutrition on the Gastrointestinal Pathophysiology

Guest Editors:

**Dr. Moisés Tolentino B. Da Silva**

**Prof. Dr. José Luiz de Brito Alves**

**Dr. Francisco L. Torres-Leal**

Deadline for manuscript submissions:

**25 September 2024**

### Message from the Guest Editors

Exercise of various intensities, including marathons, triathlons, and cycling competitions, affects the gastrointestinal tract (GIT) by eliciting gut dysmotility symptoms. However, the mechanisms are still unknown. One hypothesis is that the redistribution of blood flow causes gastrointestinal ischemia, mechanical forces, changes in gastrointestinal mucosal activity, neuroendocrine changes, and stress.

This Special Issue aims to bring together a collection of papers that evaluate the effects of physical exercise and nutritional approach on gastrointestinal pathophysiology in health and illness. We welcome the submission of manuscripts including, but not limited to, the following topics: exercise, nutrition on gastrointestinal motility and intestinal permeability; microbiota, nutrition, and exercise; exercise, nutrition, and gastrointestinal pathophysiology; exercise, supplemental nutrition, and gastrointestinal pathophysiology.





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