# Special Issue

# Physical Exercise and Nutrition on the Gastrointestinal Pathophysiology

# 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.

## **Guest Editors**

Dr. Moisés Tolentino B. Da Silva

Prof. Dr. José Luiz de Brito Alves

Dr. Francisco L. Torres-Leal

## Deadline for manuscript submissions

5 April 2026



# **Nutrients**

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

mdpi.com/journal/ nutrients





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# **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. Lluis Serra-Majem

- Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
- Research Institute of Biomedical and Health Sciences (IUIBS),
   University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
   Preventive Medicine Service, Centro Hospitalario Universitario
   Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las

#### Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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Palmas, Spain

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