

## Special Issue

# Nutritional Assessment and Adapted Therapeutic Measurements in Critically Ill Patients

### Message from the Guest Editors

In the intensive care unit (ICU), nutritional assessment presents unique challenges due to the complex and dynamic nature of critical illness. Critically ill patients often experience metabolic disturbances due to severe inflammatory responses and organ dysfunction, which can significantly impact their nutritional status. The use of indirect calorimetry has emerged as a valuable tool for assessing energy expenditure in critically ill patients. Metabolic profiling may also provide valuable insights into the metabolic state of critically ill patients. Close monitoring of nutritional intake, metabolic parameters, and body composition is essential to optimize nutritional support and improve patient outcomes in the ICU. This Special Issue will include manuscripts focusing on nutritional assessment through various available techniques, such as bioelectrical impedance, computed tomography, and ultrasound. Additionally, research on metabolic profiling in different types of critically ill patients will be welcome, as well as original articles dedicated to adapted nutritional support based on body composition.

### Guest Editors

Dr. Liliana Mirea

1. Department of Anesthesiology and Intensive Care II, Faculty of Medicine, Carol Davila University of Medicine and Pharmacy, 020021 Bucharest, Romania

2. Department of Anesthesiology and Intensive Care, Clinical Emergency Hospital, 010024 Bucharest, Romania

Dr. Cristian Cobilinschi

Department of Anesthesiology and Intensive Care, Carol Davila University of Medicine, and Pharmacy, Clinical Emergency Hospital Bucharest, 050474 Bucharest, Romania

### Deadline for manuscript submissions

closed (15 December 2024)



## Nutrients

an Open Access Journal  
by MDPI

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/206140](https://mdpi.com/si/206140)

*Nutrients*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nutrients@mdpi.com](mailto: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)