



nutrients



an Open Access Journal by MDPI

The Role of Nutrition in the Prevention and Recovery from Infectious Diseases

Guest Editor:

Dr. Catherine L. Carpenter

UCLA Center for Human
Nutrition, David Geffen School of
Medicine, University of California,
Los Angeles, CA, USA

Deadline for manuscript
submissions:

closed (25 August 2022)

Message from the Guest Editor

Nutrition plays an important role in providing key substrates for healthy immune responses. The concept paper, a multi-faceted description of how nutrients affect immunity, is best illustrated by examining nutritional deficiencies that serve to increase susceptibility to a wide variety of infectious diseases (HIV/AIDS, Covid-19). Each disease has its own unique pathophysiology, and depending upon which components of immunity are involved, will be related differently to nutrition.

The concept paper will examine key nutrients that are important to all immune responses and will, additionally describe, several acute and chronic infectious diseases and their nutrient deficiencies unique to each disease. We will explore nutrients related to innate immune responses as well as acquired immunity. The metabolic demands of infection can create nutritional deficiencies, even among individuals consuming a healthy diet. Finally, the paper will conclude with suggestions for foods and consumption patterns that can strengthen immune responses, prevent infection and improve disease recovery.



mdpi.com/si/80052

Special Issue



nutrients



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 & Dietetics*) / CiteScore - Q1 (*Nutrition and Dietetics*)

Contact Us

Nutrients Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nutrients
nutrients@mdpi.com
[X@Nutrients_MDPI](https://twitter.com/Nutrients_MDPI)