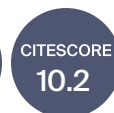




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Intermittent Fasting on Human Health and Disease

Guest Editors:

Dr. Cristina Manuela Dragoi

Department of Biochemistry,
Faculty of Pharmacy, Carol Davila
University of Medicine and
Pharmacy, 020956 Bucharest,
Romania

**Prof. Dr. Denisa Marilena
Margină**

Department of Biochemistry,
Faculty of Pharmacy, Carol Davila
University of Medicine and
Pharmacy, 020956 Bucharest,
Romania

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Message from the Guest Editors

Intermittent fasting has been shown to modulate metabolic pathways, through the activation of adaptive cellular stress responses, which may play an important role in reducing oxidative stress and inflammation, inducing DNA repair and autophagy and improving mitochondrial function. Additionally, it has been demonstrated to increase the production of neuroprotective and anti-inflammatory factors, improving cognitive function, and protecting against age-related neurodegenerative diseases.

More profound research is needed to determine the efficacy and safety of intermittent fasting in humans and to fully understand the underlying mechanisms by which this nutritional approach exerts its effects on human health and disease.

This Special Issue is to aggregate studies that examine the mechanisms through which intermittent fasting may enhance health and longevity, as well as to provide an overview of the clinical significance of this dietary pattern for the prevention and treatment of cancer, metabolic disorders, cardiovascular disease, and neurodegenerative diseases.



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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

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Contact Us

Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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