



Oxidative Stress and Antioxidant Therapy in Diseases

Guest Editors:

Dr. Evgenia Lympiraki

Department of Biomedical Sciences, School of Health Sciences, International Hellenic University, Sindos, Greece

Dr. Ioannis Tsamesidis

Department of Biomedical Sciences, Faculty of Health Sciences, International Hellenic University, Sindos, 57400 Thessaloniki, Greece

Deadline for manuscript submissions:

30 November 2026

Message from the Guest Editors

Dear Colleagues,

Reactive Oxygen Species (ROS) are produced under normal physiological conditions in organisms and play a significant role in various biological functions, both beneficial and harmful. ROS can damage DNA, proteins, and lipids, leading to cellular dysfunction and disease. These reactive molecules are generated through both endogenous processes, such as cellular respiration, and exogenous sources, including UV radiation and environmental toxins. The body's antioxidant system, which includes enzymes like catalase and superoxide dismutase as well as vitamins and minerals, serves to neutralize ROS and protect against oxidative stress.

This Special Issue aims to explore how the assessment of antioxidants and oxidants can facilitate the early diagnosis and prevention of diseases linked to oxidative stress. We are particularly interested in studies that demonstrate how these assessments can be used to predict disease onset, monitor progression, and evaluate the effectiveness of therapeutic interventions.

Dr. Evgenia Lympiraki
Dr. Ioannis Tsamesidis
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

Department of Laboratory
Medicine and Pathobiology,
Department of Surgery,
University of Toronto, 6 Queens
Pk Crescent W.F, Toronto, ON
M5S 3H2, Canada

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, PubMed, PMC, Embase, and other databases.

Journal Rank: CiteScore - Q1 (Medicine (miscellaneous))

Contact Us

Journal of Personalized Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/jpm
jpm@mdpi.com
[X@JPM_MDPI](https://twitter.com/JPM_MDPI)