

Special Issue

Oxidative Stress and Antioxidant Therapy in Diseases

Message from the Guest Editors

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.

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Deadline for manuscript submissions

15 January 2026



Journal of Personalized Medicine

an Open Access Journal
by MDPI

CiteScore 6.0
Indexed in PubMed



mdpi.com/si/211816

*Journal of Personalized
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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (JPM), ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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