

## Special Issue

# Current Trends in Redox Physiology Research

### Message from the Guest Editor

Redox biology stands at the heart of a wide range of physiological and pathological processes, playing a pivotal role in the maintenance of cellular homeostasis and the progression of numerous diseases. Recent advances have revealed novel insights into redox signaling pathways, antioxidant defense mechanisms, and the therapeutic potential of targeting oxidative stress. This Special Issue, entitled *“Current Trends in Redox Physiology Research”*, aims to showcase cutting-edge research and comprehensive reviews that enhance our understanding of redox-related mechanisms in health and disease. We welcome contributions addressing molecular and cellular aspects of redox biology, novel biomarkers of oxidative stress, redox-targeted therapies, and the role of nutrition and environmental factors in modulating the redox balance. Experimental and clinical studies are highly encouraged. We look forward to receiving your valuable contributions that will advance the field of Redox Physiology.

### Guest Editor

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### Deadline for manuscript submissions

30 September 2025



## International Journal of Molecular Sciences

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CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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