

Special Issue

DNA Damage, Oxidative Stress and Human Disease

Message from the Guest Editors

DNA damage and oxidative stress responses are mechanisms to cope with a variety of exogenous and endogenous challenges in order to maintain homeostasis. Several human diseases have been associated with excessive DNA damage and/or oxidative stress, or failure in the respective response mechanisms. These diseases include cancer, metabolic syndrome, neurodegenerative diseases, myopathies and several other pathologies including diseases characterized by genetic defects of DNA repair mechanisms. For this Special Issue, we invite authors as well as the participants of The COST Action CA20121 to submit novel work or reviews establishing the importance of DNA damage and/or oxidative stress in the pathology of human diseases. This Special Issue aims at shedding new light onto the disease mechanisms that lead to increased DNA damage and oxidative stress, and conversely onto how DNA damage and oxidative stress lead to an increase in disease pathology. Moreover, it aims at highlighting the cross-talk between DNA damage and oxidative stress responses in the context of human diseases.

Guest Editors

Dr. Ana Rita Carlos
Prof. Dr. Fernando Antunes
Dr. Isabel M. Pires

Deadline for manuscript submissions

closed (28 February 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/109341

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)