

## Special Issue

# Molecular Toxicology of Free Radicals: From Molecules to Cells to Tissues

### Message from the Guest Editor

This Special Issue will cover new developments in oxidative toxicology in the frame of the fragile interface that emerges under the involvement of physiological mechanisms that govern redox homeostasis from one side and free radical toxicity from the other. Recently, the use of redox biomarkers in the evaluation of the antioxidant profile, both in vitro and in vivo, has surfaced as a potential approach again. Although usually overlooked, recent scientific evidence indicates that redox biomarkers can become a useful tool with great translational potency in the field of redox biology. Potential topics include but are not limited to the following:

- Biomarkers used for the evaluation of in vivo antioxidant mechanisms
- Biomarkers for assessing the antioxidant activity of plant compounds in vitro
- Estimation of redox status in an exercise context
- Antioxidant status in disease using redox biomarkers
- Estimation of redox status in aging
- Assessment of the antioxidant status of the host after insulted by pathogenic microorganisms

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### Guest Editor

Prof. Dr. Dimitrios Kouretas

Department of Biochemistry and Biotechnology, University of Thessaly, Larissa, Greece

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### Deadline for manuscript submissions

closed (30 November 2021)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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