

## Special Issue

# Redox Signaling and Oxidative Stress in Bone Health and Disease

### Message from the Guest Editor

There is growing evidence that reactive oxygen species (ROS) play an important role in physiological intracellular signalling by triggering proliferation and survival in many different types of cells, including osteoclasts, osteoblasts, osteocytes, and chondrocytes.

Mitochondrial oxidative phosphorylation produces ROS as by-products, which can be important signaling molecules but damage cells and contribute to disease and aging when they become excessive. We invite researchers to submit original research and review articles covering significant developments in the mitochondrial function and oxidative stress of bone cells, as well as novel medicines or strategies that hold promise in the prevention and/or treatment of skeletal diseases. In particular, we welcome research covering novel molecular mechanism, new tools on bone research, or any animal studies with clinical relevance.

---

### Guest Editor

Dr. Ha-Neui Kim

Center for Musculoskeletal Disease Research and Center for Osteoporosis and Metabolic Bone Diseases, Department of Internal Medicine, Division of Endocrinology and Metabolism, University of Arkansas for Medical Sciences, 4301 W. Markham Street, Little Rock, AR 72205-7199, USA

---

### Deadline for manuscript submissions

closed (30 November 2020)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 8.1  
Indexed in PubMed



[mdpi.com/si/32226](https://mdpi.com/si/32226)

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

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

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





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 8.1  
Indexed in PubMed



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

[ijms](https://ijms)



## About the Journal

### 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.

---

### 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

---

### 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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