

## Special Issue

# DNA Damage, Oxidative Stress and Related Metabolic By-Products in Cancer and Environmental Studies

### Message from the Guest Editors

Oxidative stress and associated reactive products have been shown to play a central role in carcinogenesis. It is conceivable that such cellular alterations could contribute to a general decline of the physiological mechanisms designed to maintain cellular homeostasis, including DNA damage, mutations, genomic instability, and the disturbance of critical pathways, such as transcription and replication.

Molecular epidemiology can play a major role in elucidating the multi-step transformation of normal cells to a malignant state, potentially leading to predictive biomarkers of cancer risk and carcinogen exposure. In this Special Issue, I would like to invite review and original articles that focus on the link between DNA damage, oxidative stress, and related metabolic by-products in cancer and environmental studies.

---

### Guest Editors

Prof. Dr. Marco E. M. Peluso

Prof. Dr. Andrea Galli

Dr. Tommaso Mello

---

### Deadline for manuscript submissions

closed (31 March 2020)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/26403](https://mdpi.com/si/26403)

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