

## Special Issue

# DNA Damage and Repair in Plants

### Message from the Guest Editors

Due to their lifestyles, land and water plants have evolved sophisticated mechanisms to cope with environmental stresses that affect chromosome integrity. Hence, characterizing the dynamic responses of such living organisms to genotoxic stress will be of special importance for our understanding of their interactions with environmental cues. The DNA repair machinery has to act in the context of chromatin; thus, the local chromatin landscape as well as its higher order structure can affect the DNA damage response. Therefore, it is crucial to understand how DNA repair pathways are regulated and coordinated by genetic and epigenetic factors in order to protect chromosomes against deleterious damage. This understanding is of critical value for basic as well as applied research. This Special Issue calls for original articles, reviews, and perspectives that will allow unveiling how DNA repair pathways act in the context of chromatin to control genome stability/flexibility.

---

### Guest Editors

Dr. Jean Molinier

Institut de Biologie Moleculaire des Plantes, Strasbourg, France

Prof. Dr. Barbara Hohn

Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland

---

### Deadline for manuscript submissions

closed (31 July 2019)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/22301](https://mdpi.com/si/22301)

*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)