



## Recent Research of DNA Repair and Damage in Human Health

Guest Editors:

### Dr. Pavel Vodička

1. Department of Molecular Biology of Cancer, Institute of Experimental Medicine of the Academy of Sciences of the Czech Republic, Prague, Czech Republic
2. Biomedical Center, Faculty of Medicine in Pilsen, Charles University, Pilsen, Czech Republic
3. First Faculty of Medicine, Charles University, Prague, Czech Republic

### Dr. Ezgi Eylül Bankoglu

Institute of Pharmacology and Toxicology, University of Wuerzburg, Versbacher Straße 9, 97078 Wuerzburg, Germany

Deadline for manuscript submissions:

**closed (15 April 2024)**

### Message from the Guest Editors

Dear Colleagues,

DNA damage accumulation and an altered DNA damage response underlie several human pathologies, including various types of cancer. DNA damage accumulation and changes in DNA repair may occur in physiological aging. DNA repair and damage may be important players in telomeric and mitochondrial DNA; however, their role in human pathologies is not understood. Hence, several points must be addressed to improve the current understanding of DNA damage/DNA repair in humans and their potential implications in pathologies.

For this Special Issue, “Recent Research of DNA Repair and Damage in Human Health”, we welcome recent research and review articles on topics such as the effects of interindividual, intersex, and age differences on DNA damage repair, and differences in organs, together with the role of DNA damage repair, in the etiology of proliferative versus degenerative diseases. Moreover, we intend to address the topic of DNA repair in inflammation, as well as telomeric and mitochondrial DNA.

[https://www.mdpi.com/journal/ijms/special\\_issues/DNA\\_Repair](https://www.mdpi.com/journal/ijms/special_issues/DNA_Repair)





an Open Access Journal by MDPI

## 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

## 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.

## 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)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI