



## Molecular Insights into Zoology

Guest Editor:

**Dr. Valeria Maselli**

Campus Monte Sant'Angelo,  
Department of Biology, University  
of Naples Federico II, Naples,  
Italy

Deadline for manuscript  
submissions:

**31 January 2025**

### Message from the Guest Editor

The study of animals, including their structure, physiology, classification, and ecological and evolutionary processes, has always interested researchers. The classical zoological approach can be improved by contemporary molecular biology tools that could provide important answers to classic problems. This integrated and transformative approach can be used not only for living species but also for extinct species, reconstructing the phylogeny and evolution at the genomic and molecular levels. The advent of omics sciences and other emerging technologies has totally altered the scientific research approach, first with transcriptomic and genomic analysis but also with metagenomic analysis from environmental samples. The most important challenges could be data integration, technical limitations due to protocol adaptation, and animal welfare restrictions. Moreover, it is possible to consider the integration with other disciplines as ecological dynamics that enhance our understanding of biodiversity, ecosystem health, and the adaptive responses of species to environmental changes.





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