

## Special Issue

# Autophagy and Kidney Diseases

### Message from the Guest Editor

Kidney diseases represent a significant global health burden, affecting millions of individuals worldwide. Among the various cellular processes implicated in renal health, autophagy is emerging as a critical mechanism involved in maintaining cellular homeostasis. This project aims to delve into the issue of autophagy in kidney disease, exploring the complexities of autophagy dysregulation and its potential as a therapeutic target. Specifically, the objectives of this issue include characterizing autophagy in renal physiology and in kidney diseases, identifying specific signaling pathways and molecular markers associated with autophagy dysfunction in renal disorders, and examining the diagnostic and prognostic potential of autophagy markers. Moreover, we aim to evaluate therapeutic opportunities for modulating autophagy in the context of kidney diseases. Particular attention will also be given to exploring cutting-edge technologies and methodologies for studying autophagy in the context of kidney diseases, highlighting the role of advanced imaging, omics approaches, and animal models in enhancing our understanding of autophagy in renal pathophysiology.

### Guest Editor

Dr. Francesco Reggiani

1. Department of Biomedical Sciences, Humanitas University, Pieve Emanuele, Milan, Italy
2. Nephrology and Dialysis Unit, IRCCS Humanitas Research Hospital, Rozzano, Milan, Italy

### Deadline for manuscript submissions

20 January 2026



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/191127](https://mdpi.com/si/191127)

*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)