

## Special Issue

# Mechanism Research on *Listeria monocytogenes* and Its Control

### Message from the Guest Editor

*Listeria monocytogenes* is the pathogenic bacterium responsible for listeriosis, a serious disease that primarily affects pregnant women, newborns, elderly individuals, and immunocompromised patients. The bacterium's ability to survive and proliferate in a wide range of environmental conditions enhances the difficulty of controlling its spread. The control of this pathogen in food processing facilities is necessary to prevent the contamination of food. An overview of the pathogenicity, antibiotic resistance, biofilm formation, and strategies used to control *L. monocytogenes* is crucial for enhancing our understanding of its persistence in the food supply. This knowledge is essential for formulating effective strategies that decrease the incidence of human infections. The aim of this Special Issue of *IJMS* is to present recent studies on *L. monocytogenes*, covering topics such as its pathogenicity, antibiotic resistance, biofilm formation, growth and survival in food, as well as strategies for controlling this pathogen. We welcome the submission of research papers and reviews that address the topics mentioned above.

### Guest Editor

Dr. Irene Martín Tornero

Higiene y Seguridad Alimentaria, Facultad de Veterinaria, Instituto Universitario de Investigación de Carne y Productos Cárnicos (IProCar), Universidad de Extremadura, 10003 Cáceres, Spain

### Deadline for manuscript submissions

31 March 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/232281](https://mdpi.com/si/232281)

*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)