

## Special Issue

# Tumor Angiogenesis and Metastasis: From Molecular Signalling to Therapeutic Approaches

### Message from the Guest Editors

During tumour progression, angiogenic and metastatic processes are fundamental for cancerous cells to grow and migrate from the primary site to other organs in the body. Metastatic disease is the final step of tumour progression and is responsible for approximately 90% of cancer deaths. Cancerous cells activate several signalling pathways and produce different growth factors to promote the angiogenic switch and acquire invasive properties. This Special Issue aims to advance our understanding of the mechanistic bases of tumour angiogenesis and metastasis. We seek to bridge major topics—cancer angiogenesis, invasion and metastasis—with a particular focus on molecular determinants and regulations. Our goal is to formulate novel mechanism-driven counter-strategies and therapeutic combinations to facilitate clinical translation. Original research articles and comprehensive reviews are welcome for submission to this Special Issue.

### Guest Editors

Dr. Federica Finetti

Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Via Aldo Moro 2, 53100 Siena, Italy

Dr. Lorenza Trabalzini

Department of Biotechnology, Chemistry and Pharmacy, University of Siena, 53100 Siena, SI, Italy

### Deadline for manuscript submissions

closed (20 December 2025)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/218872](https://mdpi.com/si/218872)

*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)* 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, and molecular biophysics. *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. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

---

### 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, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)