



an Open Access Journal by MDPI

## Angiogenesis and Lymphangiogenesis: From Molecular Regulation to Therapeutic Application

Guest Editor:

**Prof. Dr. Marius L. Raica**

Department of Microscopic Morphology/Histology,  
Angiogenesis Research Center,  
"Victor Babes" University of Medicine and Pharmacy, 300041  
Timisoara, Romania

Deadline for manuscript submissions:  
**closed (31 March 2023)**

### Message from the Guest Editor

Both inhibition and stimulation of angiogenesis are of practical relevance in a broad spectrum of human diseases, which is why molecular mechanisms of normal and pathological angiogenesis are of major importance in order to better understand this process and to create a basis for new drug discovery. Many unclear, undiscovered, and confusing results persist concerning the molecular regulation of both excessive and deficient angiogenesis, and this is the reason we aim to explore the mechanisms of this process. Similar to angiogenesis, there are some known growth factors that stimulate lymphangiogenesis. Opposite to angiogenesis, however, there are no known specific substances that can effectively inhibit lymphangiogenesis in human diseases, and in particular in patients with cancer. Only a few experiments that investigate humanized antibodies against the lymphatic endothelium are currently in progress. Therefore, we strongly encourage the publication of original papers and reviews that could contribute to a better knowledge of these two fascinating processes: angiogenesis and lymphangiogenesis.



[mdpi.com/si/115032](https://mdpi.com/si/115032)

**Special Issue**



an Open Access Journal by MDPI

## 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

## 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.

## 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)

## Contact Us

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/ijms](http://mdpi.com/journal/ijms)  
[ijms@mdpi.com](mailto:ijms@mdpi.com)  
[X@IJMS\\_MDPI](https://twitter.com/IJMS_MDPI)