

## Special Issue

# The Role of Matrix Metalloproteinases in Ocular Pathologies

### Message from the Guest Editors

Matrix metalloproteinases (MMPs) are a family of more than twenty Zn<sup>2+</sup>-dependent endopeptidases. Their combined activity is capable of degrading almost all the components of the extracellular matrix (ECM), which points to their essential role in physiological processes that require matrix remodelling, such as embryonic development, the endometrial cycle, tissue repair or angiogenesis. Similarly, MMPs are also involved in pathological processes in which excessive degradation of the matrix occurs, such as arthritis, cancer, cardiovascular and neurological diseases. I am pleased to invite you to contribute to this Special Issue of *Biology* entitled: "The Role of Matrix Metalloproteinases in Ocular Pathologies". In this Special Issue, original research articles and reviews are welcome. This Special Issue summarizes current knowledge regarding these proteins, their participation in physiological and pathophysiological roles, their involvement in activation and inhibition, and their interactions with other proteins. I look forward to receiving your contributions.

---

### Guest Editors

Dr. Arantxa Acera

Ikerbasque, Department of Cell Biology and Histology, Experimental Ophthalmology-Biology Group, University of the Basque Country UPV/EHU, 48940 Leioa, Spain

Dr. Elisa Julião Campos

Chemical Engineering and Renewable Resources for Sustainability (CEReS), Department of Chemical Engineering, Faculty of Sciences and Technology, University of Coimbra, 3030-790 Coimbra, Portugal

---

### Deadline for manuscript submissions

closed (31 July 2023)



## Biology

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/si/154356](https://mdpi.com/si/154356)

*Biology*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biology@mdpi.com](mailto:biology@mdpi.com)

[mdpi.com/journal/  
biology](https://mdpi.com/journal/biology)





# Biology

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 7.4  
Indexed in PubMed



[mdpi.com/journal/  
biology](https://mdpi.com/journal/biology)



## About the Journal

### Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

---

### Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).