



Cellular and Molecular Insights into Ocular Changes Associated with Systemic Disorders and Conditions

Guest Editors:

Dr. Snježana Kaštelan

Clinical Hospital Dubrava, School
of Medicine, University of Zagreb,
Zagreb, Croatia

Prof. Dr. Katarzyna Zorena

Department of Immunobiology
and Environmental Microbiology,
Medical University of Gdańsk, 80-
309 Gdańsk, Poland

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

The relationship between ocular alterations and systemic diseases has recently gained significant attention. The eye offers a unique opportunity for the direct, in vivo observation of the neurosensory and microvascular systems. Numerous systemic diseases have ocular manifestations such as diabetes mellitus, neurodegenerative, psychiatric, cardiovascular, endocrinological, etc. Additionally, pregnancy, various genetic syndromes, as well as certain medications and medical treatments may potentially induce ocular changes. In some cases, the ocular findings may be the initial manifestation of the systemic disease preceding the appearance of systemic symptoms. Given the significance of ocular changes as potential biomarkers for systemic diseases, it is essential for medical specialists and interdisciplinary researchers to comprehend the interrelationships between ocular findings and systemic diseases and conditions.

This Special Issue encompasses research that provides new insights into cellular and molecular mechanisms, focusing on the latest advancements in understanding ocular pathology and its associations with various systemic conditions.





an Open Access Journal by MDPI

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

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.

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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI