Special Issue

Recent Molecular Research in Colitis

Message from the Guest Editors

Colitis, a form of inflammatory bowel disease (IBD), is a chronic condition causing intestinal inflammation and significant health burdens. Symptoms include diarrhea, abdominal pain, and systemic complications, severely affecting patients' quality of life. Despite ongoing research, key molecular mechanisms remain unclear. highlighting the need for further investigation. The gutbrain axis plays a crucial role in colitis pathophysiology, linking intestinal inflammation with neurological and psychological symptoms such as anxiety, depression, and cognitive dysfunction. Factors like dysbiosis, increased intestinal permeability, and immune dysregulation contribute to both gastrointestinal and extraintestinal manifestations. Understanding these interactions could lead to novel therapeutic strategies targeting not only intestinal inflammation but also systemic effects. Advancing knowledge in this area is essential for improving treatment outcomes and patient well-being.

Guest Editors

Prof. Dr. Pablo García-Miranda Department of Physiology, University of Seville, 41009 Seville, Spain

Prof. Dr. María Vázquez-Carretero

Facultad de Farmacia, University of Seville, Seville, Spain

Deadline for manuscript submissions

20 April 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/236591

International Journal of Molecular Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 ijms@mdpi.com

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





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)

