

Special Issue

Role of NRF2 Pathway in Chronic Diseases

Message from the Guest Editor

The transcription factor NRF2 (nuclear factor [erythroid-derived 2]-like 2) is of major importance as the defense instrument against oxidative stress (OS) and alters anti-inflammatory activities related to different pathological states. The advantageous outcome of the pharmacological activation of NRF2 is an essential part of NRF2-based chemoprevention and intervention in other chronic illnesses, such as neurodegeneration, cardiovascular disease, autoimmune diseases, and chronic kidney and liver disease. The activators of NRF2 have revealed an improvement in the progress of OS-associated diseases, resulting in immunoregulatory and anti-inflammatory activities; by contrast, the depletion of NRF2 worsens disease progression. These data strengthen the growing attention to the biological properties of NRF2 and its possible healing power on diseases. As , I invite you to contribute to this Special Issue, whose focus will be the role of NRF2 in chronic disorders.

Guest Editor

Dr. Ángel Juan García-Yagüe

1. Department of Biochemistry, Medical College, Autonomous University of Madrid (UAM), 28029 Madrid, Spain
2. Instituto de Investigaciones Biomédicas "Alberto Sols" (CSIC-UAM), 28029 Madrid, Spain
3. Instituto de Investigación Sanitaria La Paz (IdiPaz), 28027 Madrid, Spain
4. Centro de Investigación Biomédica en Red de Enfermedades Neurodegenerativas (CIBER-CIBERNED), Av. Monforte de Lemos, 3-5, Pabellón 11, Planta, 28029 Madrid, Spain

Deadline for manuscript submissions

30 November 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/209102

*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](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*, 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)