



## Design and Synthesis of Peptides: Impact on Current Biomedicine, Biotechnology, and Chemical Biology

Guest Editors:

**Prof. Dr. Ernest Giralt**

1. Institute for Research in  
Biomedicine, Barcelona Institute  
of Science and Technology,  
Baldiri Reixac 10, 08028  
Barcelona, Spain  
2. Department of Organic  
Chemistry, University of  
Barcelona, 08028 Barcelona,  
Spain

**Dr. Macarena Sánchez-  
Navarro**

Instituto de Parasitología y  
Biomedicina "López Neyra"  
IPBLN-CSIC, Granada, Spain

Deadline for manuscript  
submissions:  
**closed (31 December 2021)**

### Message from the Guest Editors

Dear Colleague,

Peptide chemistry has remarkably evolved and matured, but despite the wide variety of synthetic methods available, there are still many challenges to overcome, such as the development of greener synthetic methodologies or cost-effective methods to produce large proteins.

Today, peptide chemistry allows the design and synthesis of a wide variety of peptides with high precision and efficacy, impacting many scientific and technical areas. In the current issue, we aim to present an updated overview of the main innovations in the design and synthesis of peptide molecules together with a wide variety of examples of peptide applications to answer questions or to solve problems related to the areas of biomedicine, biotechnology, or chemical biology, to name a few.





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