

## Special Issue

# State-of-the-Art Physical Chemistry and Chemical Physics in Korea

### Message from the Guest Editors

In this International Journal of Molecular Sciences (IJMS) special issue, new and original research that has broad readership from all aspects of physical chemistry and chemical physics is published. For publication here, research must provide significant new innovation and insight in the physical chemistry and chemical physics fields with a focus on molecular research. The submitted articles will be judged by the Editors and peer-reviewers. Topics include, but are not limited to, the following: 1. Intermolecular forces that act upon the physical properties of materials 2. Reaction kinetics on the rate of a reaction 3. The identity of ions and the electrical conductivity of materials 4. Surface science and the electrochemistry of cell membranes 5. Probing the structure and dynamics of ions, free radicals, polymers, clusters, and molecules 6. Chemical structures and reactions at the quantum mechanical level 7. The structure and reactivity of gas-phase ions and radicals 8. Energy/charge transfer dynamics in organic/inorganic materials 9. Physical processes in nanomaterials

### Guest Editors

Prof. Dr. Hyotcherl Ihee

Prof. Dr. Tae Kyu Kim

Prof. Dr. Hyungjun Kim

Prof. Dr. Young Min Rhee

### Deadline for manuscript submissions

closed (30 April 2023)



## International Journal of Molecular Sciences

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/103441](https://mdpi.com/si/103441)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto: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)* 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, and molecular biophysics. *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. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

---

### 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, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)