# **Special Issue**

# Macroscopic and Microscopic Thermodynamics: From Fundamentals to Present Applications

### Message from the Guest Editors

As in the case of other "frontier" areas of knowledge, thermodynamics stand out, along with other sciences, in taking on new challenges in solving problems, and ultimately in the transfer of knowledge. But for these purposes, it is necessary to identify the fields of interest in which there are demands and to close the communication gaps that currently exist between experimental and theoretical researchers.

In recent decades, the incorporation of the molecular point of view of matter, combining laws of classical and statistical thermodynamics with chemical-physical models of the structure of matter and intermolecular forces, has allowed the development of procedures that are very useful to solve a wide variety of problems in fields so diverse as those of chemistry, chemical engineering, materials, energy, food or health sciences.

This Special Issue represents an invitation to researchers on the field of molecular thermodynamics and other related fields to contribute their works, gathering together and promoting their research lines and building bridges between the basic aspects of science and the new developments on technological processes and materials.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (31 May 2022)



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## 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

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