Special Issue

Modeling of Liquids Behavior: Experiments, Theory and Simulations

Message from the Guest Editors

This Special Issue is focused on theoretical and applied research related to the behavior of both pure liquid and mixtures of organic and inorganic materials. Authors may consider a wide range of pure fluids and solutions with: polar and non-polar substances, polymers, surfactants, ionic liquids and complex and biological molecules. In general, papers describing novel instrumentation, new experimental methods and techniques, original experimental data on thermophysical properties, phase equilibria, modeling and correlation are welcome. Particular attention will be given to research on molecular thermodynamics providing quantitative estimates of liquid systems' properties, as required for this process. Likewise, papers on models applied to processes such as conventional and supercritical extraction, fractionation, purification, etc., will also be considered. This Special Issue will act as an international forum for researchers, summarizing the most recent developments and ideas in the field, with a special emphasis on the latest technical and theoretical results.

Guest Editors

Prof. Dr. William E. Acree, Jr.
Department of Chemistry, University of North Texas, Denton, TX 76203, USA

Prof. Dr. Juan Ortega Saavedra
Division of Thermal Engineering and Instrumentation, University of Las Palmas de Gran Canaria, 35017-Las Palmas de Gran Canaria, Canary Islands, Spain

Deadline for manuscript submissions

closed (30 November 2022)

Liquids

an Open Access Journal by MDPI

CiteScore 2.9
Tracked for Impact Factor

mdpi.com/si/127839

Liquids
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
liquids@mdpi.com

mdpi.com/journal/liquids

Liquids

an Open Access Journal by MDPI

CiteScore 2.9
Tracked for Impact Factor

mdpi.com/journal/liquids

About the Journal

Message from the Editor-in-Chief

Liquids represent a rich and interdisciplinary field of research that encompasses the theory of liquid state in physics, a large part of synthetic and analytical chemistry, an overwhelming fraction of biology, fluid dynamics in engineering and meteorology. Since the second half of the past century, the discovery of new spectroscopies and the advent of computational simulations have allowed an unprecedented number of researchers to undertake the study of liquid systems and to provide an uncountable number of societally impacting discoveries. With this journal, we intend to provide a place for a rapid publication of your research, a rigorous peer-review process and we look forward to receiving your submissions.

Editor-in-Chief

Prof. Dr. Enrico Bodo
Chemistry Department, University of Rome “La Sapienza”, Piazzale Aldo Moro 5, 00185 Rome, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), Scopus, AGRIS, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 34.9 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).