

Special Issue

The Fate of Molecular Systems at High-Pressure

Message from the Guest Editors

Pressure is an incredibly powerful tool for tuning interactions among molecules to make them comparable to intramolecular interactions. Besides the intermolecular distances, relative molecular orientations and conformations can also be changed with major consequences for the electronic density redistribution. Many different phenomena ranging from structural phase transitions to chemical reactions, including metallization and the emergence of exotic magnetic or superconductive phases, are observed as a consequence of the internal energy increase. The aim of this Special Issue is to present a collection of articles depicting some of the most recent findings achieved by compressing molecular systems in DACs and in computer simulations. Ideally, this collection should give an overview of the rich variety of transformations occurring under high-pressure conditions, encompassing many different research areas and topics in both fundamental and applied sciences.

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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