Special Issue

Advances in Computer Simulation of Condensed Matter Systems

Message from the Guest Editor

Progress in computational capabilities is driving condensed matter research to new levels, not only due to the continuously improving processing technology, but also due to the advancements and widespread use of machine learning (ML) and artificial intelligence (AI) in research. Examples include drug design, adsorption studies in porous materials, analysis of the effects of mutations on protein structure and function, design of materials for colloidal systems, discovery of novel polymeric materials, and forcefield development. This Special Issue on "Advances in Computer Simulation of Condensed Matter Systems" will focus on computational works that present novel advances in simulations of condensed matter systems. Submissions to this Special Issue may include but are not limited to the following topics:

- Drug discovery, and biomolecular structure and dynamics (proteins, lipids, nucleic acids);
- Colloidal systems, polymers, and nanomaterials;
- Porous material structure and adsorption;
- Interfacial and surface phenomena;
- Supramolecular assemblies—structure and transport phenomena.

Guest Editor

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You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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