Special Issue

Molecular Modeling in Crystals

Message from the Guest Editor

Crystallization processes have long been a particular concern of research and industrial applications, e.g., in the production of drugs. Even though there have been many model approaches and helpful theoretical concepts for understanding crystallization processes in this field, many questions still remain unanswered today, for example: How can crystal forms be controlled by additives, by the composition of the solvents, or by physical action? Which molecular processes influence biomineralization? This Special Issue will focus on models that address the role and structure of individual molecules that capture small length and time scales but have a decisive influence on the macroscales of crystallization. We invite researchers to contribute to this Special Issue on Molecular Modeling which is intended to serve as a unique multidisciplinary forum covering broad aspects of science, technology, and application. We especially welcome contributions in which scientists from different disciplines develop general or specific models for the understanding and/or possible control of complex crystallization processes.

Guest Editor

Dr. Weber Marcus
Zuse Institute Berlin (ZIB), Takustrasse 7, 14195 Berlin, Germany

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

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About the Journal

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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