

## Special Issue

# Pharmaceutical Crystallization

### Message from the Guest Editors

Currently, about 80% of approved pharmaceuticals are small organic compounds with a molecular weight of less than roughly 500 g/mol. Crystallization plays a major role in the manufacture of these compounds as it is a highly selective separation and purification technology resulting in a particulate product. We would like this Special Issue of *Crystals* to provide a forum on the current state of pharmaceutical crystallization research by collecting contributions to the crystallization of pharmaceuticals on subjects including, but not limited to, the following:

- Particulate pharmaceutical product characteristics: polymorphism, co-crystals, solvates, salts, chiral compounds, crystal size distribution, crystal morphology, purity.
- Crystallization fundamentals: crystal nucleation, crystal growth, secondary nucleation, agglomeration, solution structure, chiral separation and deracemization.
- Industrial crystallization: batch-wise and continuous crystallization; crystallization process monitoring, modeling, and control; crystallization process design; hybrid crystallization processes.

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### Guest Editors

Prof. Hiroshi Ooshima

Prof. Dr. Joop H. ter Horst

Prof. Koichi Igarashi

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### Deadline for manuscript submissions

closed (31 October 2021)



## Crystals

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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.

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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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