# Special Issue

# Membrane Technology for Solid Particles Production

### Message from the Guest Editor

This Special Issue of *Crystals* intends to serve as a unique, multidisciplinary, and comprehensive forum covering broad aspects of science and technology underpinning the application of membrane-based operations to solidification processes. Submissions may focus on any of the following non-exhaustive list of topics:

- Membrane-assisted crystallization or precipitation of bio(macro)molecules (proteins, nucleic acids, polysaccharides, amino acids, organic materials, and their macromolecular complexes);
- Crystallization in pores and in nano-confined, patterned, or irregular surfaces, including modeling and simulation works;
- Reactive membrane crystallization processes;
- Membrane crystallization from brines and industrial (waste)streams for zero waste generation and mining purposes;
- Membrane crystallization for process intensification in hybrid systems and water desalination;
- Membrane-assisted precipitation processes;
- Microfluidics and microdevices for membrane-assisted crystallization.

### Guest Editor

Dr. Gianluca Di Profio

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### Deadline for manuscript submissions

closed (20 June 2022)

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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
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