

## Special Issue

# Structure, Morphology and Crystallization of Polymer Composites

### Message from the Guest Editor

The Special Issue “Structure, Morphology, and Crystallization of Polymer Composites” will address a complete comprehension of all aspects of the crystallization process in heterogeneous thermoplastic materials. Composite materials are of great interest in different applications due to their resistance combined to lightness, and the emerging renewed importance of the crystallization process in the advanced sectors of aerospace. Original papers are invited on any type of structure or morphology, from micro- to nano-scale, arising under diverse processing conditions, also discussing structure-processing correlations. The effect of the reinforcement on the nucleation density, crystallization, and degradation kinetics of polymer matrixes, are of particular importance for advanced composites. Novel strategies to control the structure and the morphology or accelerating crystals growth, surface modifications of fillers, crystallization models accounting for temperature gradients or heat pathways, and any influence on the crystallization behavior of innovative composite materials are very welcome.

### Guest Editor

Dr. Maria Raimo

Istituto per i Polimeri, Compositi e Biomateriali, Consiglio Nazionale delle Ricerche, Pozzuoli, NA, Italy

### Deadline for manuscript submissions

closed (31 May 2021)



## Materials

an Open Access Journal  
by MDPI

Impact Factor 3.1  
CiteScore 5.8  
Indexed in PubMed



[mdpi.com/si/60998](https://mdpi.com/si/60998)

### Materials

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)





# Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 5.8  
Indexed in PubMed



[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)



## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

---

### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q1 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q2 (Condensed Matter Physics)