



## Molding Process of Polymers and Composites

Guest Editors:

### Prof. Dr. Chao-Ming Lin

Department of Mechanical and Energy Engineering, National Chiayi University, Chiayi 600355, Taiwan

### Dr. Chia-Chin Wu

Department of Mold and Die Engineering, National Kaohsiung University of Science and Technology (NKUST), Kaohsiung City 807618, Taiwan

Deadline for manuscript submissions:

**30 September 2024**

### Message from the Guest Editors

This Special Issue focuses on the innovative aspects of the molding process of polymers and composites and will address a wide range of topics, from process design, experimental analysis, numerical simulations, material behavior, processing parameters and product quality enhancement, aiming to compile cutting-edge research that contributes significantly to the advancement of molding technologies and material science. It includes, but is not limited to, the following areas:

1. Innovative design and optimization of molding processes leading to enhanced material properties and component functionalities.
2. Experimental analysis and characterizations focusing on the relationship between process parameters and material behavior.
3. Advanced numerical simulations that provide insights into the flow, heat transfer, and mechanical properties of polymers and composites during molding.
4. Investigations into the effects of processing parameters on the quality of the molded products.
5. Development of new materials and composites tailored for specific molding techniques, to improve performance and sustainability.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

## Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

## 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), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

## Contact Us

---

*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/polymers](http://mdpi.com/journal/polymers)  
[polymers@mdpi.com](mailto:polymers@mdpi.com)  
[X@Polymers\\_MDPI](https://twitter.com/Polymers_MDPI)