

## Special Issue

# Thermal Analysis of Polymer Materials

### Message from the Guest Editors

Thermal analysis is an important characterization tool in the field of materials sciences because specific physico-chemical properties of synthetic polymers, bio-based polymers, nanomaterials, materials and biomaterials can be determined through thermal analysis. The thermal analysis of materials encompasses a variety of methods including differential scanning calorimetry (DSC), thermogravimetric analysis (TGA), thermomechanical analysis (TMA), dynamic mechanical analysis (DMA), dielectric thermal analysis (DTEA), isothermal titration calorimetry (ITC) and heat transfer analysis to detect changes in material properties as a function of temperature. This Special Issue will provide readers with up-to-date research on recent progress in the thermal analysis field and polymer processing into more applied materials such as polymeric membranes on polymer-based materials from different perspectives, including but not limited to materials sciences, thermal behaviour, kinetics and thermodynamics. Contributions on synthetic polymers, bio-based polymers, nanomaterials, polymer-based materials and biomaterials, polymer characterization, processing, and application are of interest.

### Guest Editors

Prof. Dr. T. M. Indra Mahlia

Dr. Md Mofijur Rahman

Dr. Muhammad Roil Bilad

### Deadline for manuscript submissions

closed (31 March 2020)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



[mdpi.com/si/26231](https://mdpi.com/si/26231)

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

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





# Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



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



## About the Journal

### 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 4.7.

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.

---

### Editor-in-Chief

Prof. Dr. Alexander Böker

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

---

### 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)