

## Special Issue

# Degradation and Recycling of Polymer Materials, 2nd Edition

### Message from the Guest Editor

In order to suppress microplastic (MP) generation, it is necessary to elucidate the degradation mechanism of plastics, which is deeply involved in the MP generation mechanism, and to develop a new recycling process. In addition, it is necessary to focus on additives such as antioxidants and UV absorbers, which have been suggested to be toxic, and to understand their behavior during the degradation of plastics. This Special Issue invites submissions of papers that elucidate the mechanisms of micro- and nanoplastics formation, develop environmentally friendly plastic recycling methods, and explore plastic waste treatment using organisms such as mealworms. Additionally, we welcome papers that examine the impacts of micro- and nanoplastics on various ecosystems.

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### Guest Editor

Prof. Dr. Hisayuki Nakatani

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### Deadline for manuscript submissions

31 August 2026



## Polymers

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### 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 4.9.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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