## Special Issue

## Challenge and Prospect of Plastics and Bioplastics for Sustainable Circular Economy

## Message from the Guest Editors

The use of polymeric and petroleum-based materials is essential to socioeconomic growth and development. However, their contribution to economic growth and their unfavorable environmental impact, producing greenhouse gas emissions and persisting in marine and terrestrial environments, warrant attention. Therefore, this Special Issue presents research findings and innovative solutions that address the challenges associated with the utilization of different types of plastics and polymeric materials. We also welcome the submission of research that addresses waste management, technological innovation, life cycle assessment, carbon footprint, and environmental associated with the use of degradable and nondegradable plastics in relation to the circular economy. Furthermore, this Special Issue aims to explore the potential use of plastics in energy production and other valuable products.

### **Guest Editors**

Dr. Emmanuel Kweinor Tetteh

Dr. Oluwatoyin Joseph Gbadeyan

Dr. Ifeanyi Michael Smarte Anekwe

### Deadline for manuscript submissions

31 March 2026



# **Polymers**

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers





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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

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