

Special Issue

Polymeric Materials for Water, Wastewater and Sludge Management

Message from the Guest Editors

This Special Issue is based on selected contributions presented at the [2nd International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management \(CSRW26\)](#), held from 29 March 2026 to 01 April 2026 in Thessaloniki, Greece. It brings together cutting-edge research on the development and practical implementation of polymer-based technologies for modern environmental challenges. The welcome papers cover a broad range of applications, including polymeric coagulants and flocculants, membrane materials, hydrogels, adsorbents, and sludge dewatering aids. Particular attention is given to structure–property relationships that govern treatment performance, selectivity, and durability under complex operating conditions. Several contributions also highlight advanced functional polymers and hybrid materials designed to enhance contaminant removal efficiency and process stability. Collectively, the papers demonstrate how material innovation can significantly improve the efficiency, reliability, and sustainability of water and wastewater treatment systems.

Guest Editors

Dr. Ioannis Katsoyiannis

Department of Chemistry, Laboratory of Chemical and Environmental Technology, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece

Dr. Marco Carnevale Miino

Department of Theoretical and Applied Sciences, University of Insubria, Via J.H. Dunant 3, 21100 Varese, Italy

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

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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