

Special Issue

Synthesis, Properties and Applications of Polymers

Message from the Guest Editors

Despite the widespread use of polymers in all spheres of life, research and practical interest in this field of chemistry are steadily increasing. This Special Issue is intended to show the versatility of polymer chemistry and molecular design, the ability to customize the desired properties, structure–property relationships, and the most diverse applications of new polymers, including energy, electronics, membrane technologies, medicine, optics, etc. The main focus will be on the synthesis and post-polymerization modification of carbon- and heterochain polymers, organoelement and organometallic polymers, functionalized polymers, and molecular and nanocomposites. Works studying the influence of polymer structure on the properties, processing, and recycling of polymers and applications for a specific practical task will be presented as well. We invite polymer scientists, chemical engineers, physicists, materials scientists, and technologists to publish original research papers or reviews in this open-access Special Issue to make the acquired knowledge publicly available, accelerate the development of polymer chemistry, and expand their practical use.

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Deadline for manuscript submissions

closed (20 March 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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