

Special Issue

Emerging Topics in Polymeric Nanoparticles

Message from the Guest Editors

Polymeric nanoparticles (PNPs) represent one of the most dynamic and interdisciplinary areas of nanoscience, bridging chemistry, physics, materials science, biology, and environmental science. Advances in synthetic strategies, including emulsion polymerization, (nano)precipitation, interfacial polymerization, self-assembly of amphiphilic block copolymers, microfluidics-assisted preparation, etc., together with post-synthesis functionalization, have enabled precise control over nanoparticle size, shape, porosity, and surface chemistry. This Special Issue will bring together high-quality original research and review articles that address recent breakthroughs and emerging directions in the field of PNPs, emphasizing synthesis, structure–property relationships, advanced characterization, multifunctionality, various applications, self-assembly, biological and environmental impact, and smart material as well as introducing novel concepts in both the synthetic and functional deployment of PNPs, are welcome.

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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