



Polymer Materials: Advances in Biomedical and Pharmaceutical Applications

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Message from the Guest Editors

Dear Colleagues,

The development of polymeric biomaterials over the past 50 years has revolutionized the healthcare and pharmaceutical industry. Thanks to their wide range of chemical, mechanical and biocompatibility properties, synthetic and natural polymers have long been successfully applied in medical devices, implants, scaffolds, drug delivery systems, diagnostics and medicine formulations; however, continuous advancements in polymer science and technology make the preparation of new systems and new applications possible every day. The synthesis of novel functional polymers, the functionalization and modification of natural or synthetic polymers, the preparation of biocomposites and hybrid nanostructures, new processing technologies and different fabrication strategies continuously offer novel and tailorable solutions to clinical and therapeutic issues.





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