



## Biomedical Polymers and Drug Delivery Systems

Guest Editor:

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### Message from the Guest Editor

The compelling, human side to biomaterials is that millions of lives are saved, and the quality of life is improved for millions more. Among all materials, functional polymers are some of the most suitable and widely researched materials for biomedical applications. To date, polymeric materials have been introduced as implant instruments, scaffolds for tissue engineering, drug and gene delivery systems, replacement materials for heart valves and arteries, antibacterial materials, biosensors, etc. Both natural and synthetic polymers with good biocompatibility and biological functions can be used in the biomedical field.

This Special Issue, entitled *Recent Developments in Advanced Polymeric Materials for Biomedicine*, is intended to cover all recent aspects of the biomedical application of polymeric materials, including the application of synthetic polymers, natural polymers, and modified natural polymers in tissue engineering, drug and gene delivery, biosensing, antibacterial fields, etc., as well as the design, synthesis, characterization and the biomedical applications of novel biofunctional polymers.





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## Message from the Editor-in-Chief

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