



Polymer Materials for Biomedical Applications

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Message from the Guest Editor

Polymer materials, including natural source and synthetic polymers, have good biocompatibility and biodegradability and facile synthesis and processing properties. Hence, they have been widely applied for various biomedical purposes. For example, they are processed as nano-sized carriers for drug loading and targeted delivery. They are also engineered as scaffolds for tissue engineering and regenerative medicine. Polymer materials (e.g., hydrogels and electrospun membranes) are also excellent dressing materials for accelerating wound healing. Moreover, injectable hydrogel materials have recently been emerging for anti-tumor and arthritis-related therapies. In this Special Issue, we welcome the submission of original research, review, and perspective articles. This topic covers but is not limited to the following themes:

- Synthesis, functionalization, and characterization of polymer materials for biomedical applications;
- Modification and application of natural polymers;
- Novel applications of polymer materials for biomedical purpose;
- Recent progress and future perspectives of polymers for biomedical applications.





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Message from the Editor-in-Chief

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