



Biomedical Polymer Materials

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Message from the Guest Editors

Polymeric bio-materials have been widely used in the medical field thanks to their special mechanical, physical, chemical, and biological characteristics. They must be able to interact with vital areas of the human body without creating inflammatory or rejection reactions. Thus, there is a growing interest in finding new biocompatible polymers, biodegradable or not.

Given the rapid development and use of biomaterials, it is becoming increasingly important to understand the relationships among the structure, processing, and properties of biomedical polymers so to widen their medical applications and to improve the characteristics of the materials already used.

This Special Issue focuses on polymers used in the biomedical field. Topics of interest concern polymers (biodegradable or not) used for this purpose and related aspects, such as replacement materials for heart valves and arteries, ultra-high-molecular-weight polyethylene (UHMWPE) in joint replacement, scaffolds for tissue engineering, drug delivery systems, suture threads, etc.





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Message from the Editor-in-Chief

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