



## Thermoplastic Polymer-Based Multifunctional Materials

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### Message from the Guest Editors

Polymer science, specifically the field of thermoplastic polymers, has contributed to the development of new multifunctional materials with different applications. Apart from the nature of the thermoplastic polymer itself, the functionality of these materials can be changed by selectively choosing the processing conditions and introducing additives with certain properties for the desired application. This Special Issue addresses the recent developments and applications of thermoplastic polymer-based multifunctional nanocomposites. This Special Issue emphasizes materials used for the following: (a) biomedical applications, such as scaffolds and/or materials for wound-healing applications; (b) fabrics for the textile industry; (c) food packaging and the agro-alimentary industry; (d) the controlled release of drugs or active molecules antibiotics or food preservatives; (e) flexible materials for smart sensors and actuators; and (f) energy harvesting applications.





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## Message from the Editor-in-Chief

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