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Conducting and Biodegradable Polymers, a New Concept for Current and Future Biomedical Applications

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Message from the Guest Editors

New biomaterials are playing a very important role in current and future applications of biomedicine. The role that new developing materials are playing in biodegradable polymers and intrinsic conductive polymers is growing in importance. Polymeric materials exhibiting biodegradability can be designed with planned obsolescence in such a way that they will disappear from living biological systems once they have fulfilled their pre-established function, leaving no harmful by-products. On the other hand, polymeric materials with intrinsic conductivity allow one to take advantage of their electrical, optical properties in the field of biomedicine. However, the conjunction of both materials shows the greatest potential with the recent emergence of new biodegradable conductive materials. These have experienced rapid growth by taking advantage of both materials properties, becoming an ideal material for current and future biomedical applications. This Special Issue will focus on biodegradable polymeric materials, conductor polymers and composites, as well as their properties and applications to face new biomedicine challenges.

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Message from the Editor-in-Chief

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