

Special Issue

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

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.

Guest Editors

Dr. Juan Torras-Costa

1. Department of Chemical Engineering (EEBE), Universitat Politècnica de Catalunya, C/Eduard Maristany 10-14, Ed I2, 08019 Barcelona, Spain
2. Barcelona Research Center for Multiscale Science and Engineering, Universitat Politècnica de Catalunya, C/Eduard Maristany 10-14, Ed I2, 08019 Barcelona, Spain

Prof. Dr. Jordi Puiggali

Chemical Engineering Department, Universitat Politècnica de Catalunya, c/Eduard Maristany, 08019 Barcelona, Spain

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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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