

Special Issue

Applications and Development of Bioplastics

Message from the Guest Editors

Because of environmental policies and the need for viable alternatives to traditional chemicals and polymers, the use of renewable sources of plant origin, i.e., biomass, is believed to be the future of plastics. Polymers from renewable resources represent an innovative solution to the problem of plastic pollution and, above all, to the consumption of mineral resources and the greenhouse effect. Bioplastics have attracted the interest of industries and consumers around the world over the last 20 years. At the same time, European and American legislative frameworks have changed in favor of bio-based products at the expense of petrochemicals. The bio-based products sector is considered a key-enabling technology by the EU, shifting the priority area for growth and finance. Submissions on related topics are welcome, including the synthesis of biobased monomers, the synthesis and characterization of bioplastics, their copolymers, composites, and nanocomposites, as well as their applications. Special attention will be devoted to bioplastics that are also biodegradable and compostable.

Guest Editors

Dr. Zoe Terzopoulou

Laboratory of Polymer Chemistry and Technology, Department of Chemistry, Aristotle University of Thessaloniki, GR-541 24 Thessaloniki, Greece

Prof. Dr. Dimitrios Bikiaris

Laboratory of Chemistry and Technology of Polymers and Colors, Department of Chemistry, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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