Special Issue

Advances in Plastic Production, Treatment and Recycling for Circular Economy

Message from the Guest Editor

Achieving a circular economy for plastics requires advanced technologies and a shift from a linear to a circular business model. The circular economy for plastics is highly dependent not only on plastic recycling but also on the elimination of fossil-based plastics through the production of bioplastics and eco-friendly design of plastic products. The automated sorting of plastics with the help of artificial intelligence is another important factor in the circular economy. This Special Issue is dedicated to the presentation of new ideas, experimental results related to advanced technologies and case study to achieve the circular economy for plastics. Advanced technologies to achieve a circular economy for plastics as well as the improvement of conventional plastics treatment technologies will be discussed in this Special Issue. **Keywords:** circular economy for plastics; plastic waste collection; automated plastic sorting technology; plastic discrimination; plastic treatment and recycling; high quality plastic recycling; design for plastic recycling; bioplastics; visualization of environmental burden using digital product passport

Guest Editor

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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.

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