



Polymers, Processing and Sustainability

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Message from the Guest Editors

Petroleum-based polymers and manufacturing processes are associated with a number of health and environmental risks from chemical leaks and contaminants in the water and air, such as phthalates from plasticizers for softening effects; bisphenol A (BPA), which is used as a reagent in the production of polycarbonate, epoxy resins, coatings and adhesives; polybrominated diphenyl ether (PBDE), which is used as a fire retardant; solid waste buildup in nature and its persistence in the ocean, coastal zones and terrestrial environments due to plastics not being easily degradable; and so on.

This Special Issue will demonstrate recent results and/or positive advances in the development of new sustainable materials, innovative technological designs and optimization methods targeted at lowering the environmental impact of polymer-based manufacturing processes while preserving product quality and material performance in light of applications in medicine, agriculture, coatings and paints, biotechnology, automotive, packaging, textiles, electronics and so on.





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Message from the Editor-in-Chief

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