Special Issue

Polymer Degradability Remediation at the Nanoscale: Characterization and Pollution

Message from the Guest Editor

Pollution caused by plastics is generating enormous problems for the environment and, hence, for society. Finding ways to overcome this emerging issue requires multidisciplinary research, including strategies to degrade the existing litter and studies seeking alternatives to the creation of new required plastics. Current alternatives are promising, but they do not yet reach all of the requirements for many applications. In order to study the polymer tensile strength or analyze the damage triggered by a certain factor, nanotechnology may play an important role in exploring potential solutions and understanding the origin of some polymeric properties.

With the purpose of offering a common platform in this multidisciplinary field, this Special Issue is dedicated to recent nanotechnological advances obtained to enhance sustainability by reducing polymer pollution. Studies presenting nanoscopic characterizations of studies revealing natural alternatives to current polymers with long degradation times, procedures to degrade existing polymers, and new nanotechnological techniques focused on any of these goals are very welcome to contribute to this Special Issue.

Guest Editor

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Editor-in-Chief

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