



Condensation Polymers and their Applications

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Message from the Guest Editors

Dear Colleagues,

Condensation polymers contrast the other types of polymers through their chemical activity. Due to the fact that they preserve functional groups at the ends of macromolecules, they can undergo additional condensation. On the other hand, the atoms of the main chain can be involved in exchange reactions. Since the condensation reactions are reversible, the condensation polymers easily undergo degradation reactions in the presence of low molecular weight compounds, which affect negatively their mechanical performance. All these chemical reactions are possible if the respective conditions are available (mostly high temperature).

This Special Issue intends to demonstrate how these chemical peculiarities of condensation polymers can be used (or avoided) to create new materials or improve existing ones.

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