Special Issue

Advances in Polymer-Supported and Polymer-Immobilized Catalysts

Message from the Guest Editor

Polymer-immobilized catalysts have advanced widely over the past years. The recent development of polymer-based catalysts caused the identification of numerous highly active catalysts, which are, however, still far less known than metal/metal oxide catalysts. The polymeric catalysts were efficiently used in various applications such as the photocatalytic degradation of organic pollutants (e.g., dye, drug, and other organic compounds) and organic reactions. The polymer-immobilized catalysts have higher catalytic activities and stereoselectivities compared with their corresponding low-molecular-weight catalysts in homogeneous solution systems. The heterogeneity of the organic reaction using polymeric catalysts gives great advantages in the synthetic process. This Special Issue welcomes both review and original research articles on all aspects of polymer-supported and polymer-immobilized catalysts in the organic reactions and the degradation of organic pollutants. The Special Issue will focus on, but is not limited to, polymer-supported and polymer-immobilized catalysts and applications.

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