



Functional Polymers and Novel Applications

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Message from the Guest Editors

Traditional polymer products play vital roles in the clothing, food, housing and transportation industries, in the form of plastics, rubber, binders, fibers, and proteins, among others. With the progress of social civilization and the continuous innovation of science and technology, emerging functional polymers are opening up their rich applications in various fields. Various molecular engineering, device fabrication processes, and fundamental models are being explored to enrich their properties, functions, and applications. For example, liquid crystal polymers are developed for a variety of liquid crystal optical elements and polymer-stabilized liquid crystal devices, which are widely used in the emerging field of meta-universe displays. Environmentally friendly polymeric adhesives are grown for the restoration and preservation of precious paper archives.





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