



Feature Papers in Smart and Functional Polymers

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Message from the Guest Editors

This Topic Collection focuses on recent advances in smart and functional polymers. Smart polymers are synthetic polymers designed to mimic biopolymers with biological intelligence. This class of polymers can exhibit special functions in response to external conditions, which are similar to the biological intelligence observed in nature. Smart polymers have many important applications. Functional polymers are macromolecules with unique features and applications. Depending on their functional groups, macromolecular architectures and supramolecular structures, functional polymers find a variety of applications such as separation, electronic conductance, photo- and electro-luminescence, energy storage and conversion, tissue engineering, and control release. Smart and functional polymers are a fast-growing field in polymer science. In recent years, there have been many new and fascinating results in research in this field, and it is believed that this topic of research will become increasingly attractive. This Special Issue aims to reflect the advances in this field.





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