Special Issue

Design, Synthesis of Polymers-based Hybrid Materials for Biosensing and Building Stimuli-Responsive Architectures

Message from the Guest Editors

The field of smart" or "intelligent" polymers,or stimuli-responsive polymers, has commanded significant interest over the past decade. Careful introduction of specific polymeric modalities makes the polymeric nanosystem to the stimuli□responsive sustems performing extraordinary functions in response to trigger such as pH, temperature, redox, enzymes, light, magnetic, or ultrasound. Recently, the application of stimuli-responsive organic polymers and functional materials hybrid systems have been enmerging as a promising nanotechnology. Incorporation of fuctionla materials s such as organic materials, gold, silica, or iron oxide with surface□bound stimuli□responsive polymers offers additional advantages and multifunctionality. We would like to invite the authors to submit their original and high-quality research on:

- design/synthesis of stimuli-responsive polymers;
- development of polymers-based hybrid materials with response to triggers such as pH, temperature, redox, enzymes, light, magnetic, or ultrasound for enviroment monitoring;
- application of polymers-based hybrid materials in drug delivery, amaging or photochemical therapeutics.

Guest Editors

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Editor-in-Chief

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