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# **Advances in Thermoresponsive Polymers**

Guest Editor:

#### Dr. Mattia Sponchioni

Department of Chemistry, Materials and Chemical Engineering "Giulio Natta", Politecnico di Milano, via Mancinelli 7, 20131 Milano, Italy

Deadline for manuscript submissions:

closed (25 January 2022)

## Message from the Guest Editor

Dear Colleagues,

Thermoresponsive polymers are materials which are able to phase separate from the solvent with a sharp and often reversible transition in response to thermal stimuli. The possibility of inducing a dynamic response through temperature changes, which are commonly encountered in many applications or can be artificially applied at low cost and avoiding the contamination of the fluid, makes these materials extremely appealing. As a polymers thermoresponsive are currently investigated for application in many fields, ranging from biomedicine to optical sensors, chromatography, as well as oil and gas. Despite being a rather recent research area, the first examples of thermoresponsive systems are now appearing on the market. Given the attractiveness of these polymers and the extensive research efforts made in recent years, this Special Issue aims to report the recent advances on the topic, from both theoretical and applied perspectives. Therefore, contributions on modelling and simulations as well as on experimental work are welcome for this Special Issue.













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### **Editor-in-Chief**

#### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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