



Functional Microcellular Polymer-Foams through Emulsion-Templated Synthesis

Guest Editor:

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Message from the Guest Editor

Emulsion-templated microcellular polymer foams are a special kind of porous polymeric material. The versatility of these polymer foams stems from their specific morphological features. The quite original morphology makes them attractive for applications, including cell culturing scaffolds, reagent and catalyst supports, or for ion exchange and environmental remediation. However, contemporary expectations go beyond just controlling the morphological features of emulsion-templated polymer foams. Advanced applications require multifunctional polymer foams and a fundamental understanding of the relationship between their structure and function. Facile synthetic routes to obtain multifunctional emulsion-templated polymer foams have attracted increasing attention in recent years.

Therefore, the Guest Editor is pleased to launch this Special Issue and invite researchers to contribute their reviews/papers on the development of multifunctional microcellular polymer foams prepared through emulsion-templated synthesis, as well as on the study of potential new applications for these porous polymers.





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