



Microfluidics-Based Synthesis of Polymeric Materials

Guest Editor:

Message from the Guest Editor

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Dear colleagues,

Recent developments in micro/nanofabrication technologies enable miniaturization in a broad range of research areas. Among them, the treatment of fluids with micron or nanometer sizes in narrow geometries has become an alternative but promising technique for the synthesis of polymeric materials, such as microparticles, microfibers, and membranes. Microfluidic-based synthesis offers not only distinctive features in which particles and membranes are multi-functional, but also precise control over their material properties (size, shape, pore profile, chemical anisotropy, and functionality).

Microfluidics technology has been widely used in medical fields, such as: drug delivery, biosensors, biomonitoring and cell research. This Special Issue aims to highlight and promote recent advances in the synthesis, characterizations, and applications of microfluidic-based synthesis, and materials characterization.





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