

Special Issue

Polymerization Technologies in the Presence of Nanoparticles

Message from the Guest Editor

This Special Issue introduces the different approaches for polymerization techniques in the presence of nanoparticles. This Special Issue introduces a wide range of high-functional nanocomposites such as high-performance polymers, high-temperature polymers, engineering materials for flexible displays, super-engineering polymers, high gas barrier films, and liquid crystalline polymers, etc. This Special Issue will demonstrate the multidisciplinary aspect of the selected subject and bring together original papers and reviews covering (but not restricted to) the following topics:

- Advanced design of nanocomposites with functional polymers and nanoparticles;
- Development of controlled delivery systems based on nanocomposites;
- Grafting of polymer chains to nanoparticle surfaces;
- Drugs delivery incorporating nanoparticles in nanomedicine;
- Design of smart nano-objects for target applications in EOR (enhanced oil recovery), pharmacy, agriculture, and water purification.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2022)



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Editor-in-Chief

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