



Novel Nanoparticles and Their Enhanced Polymer Composites

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Deadline for manuscript submissions:

closed (28 February 2024)

Message from the Guest Editors

The addition of functional fillers into a polymer matrix has been extensively explored and used in many applications, such as electronics, medicine, aerospace, energy storage, sensors, etc. With the fast development of science and technology, novel particles and their composites with multiple functions have been invented to meet new requirements. Moreover, new manufacturing methods to prepare the particles and composites are also emerging. One challenge is to prepare high-performance or functional polymer composites with low filler content in an easy, scale-up approach. Another challenge is to endow the function into the composite efficiently and subtly through rational design of the particles or the particle distribution in the polymer matrix.

This Special Issue aims to highlight the advances and cutting-edge technologies of particles and particle-reinforced functional polymer composites. In this Special Issue, original research articles and reviews are welcome.





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