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Metal- and Metal Hybrid-Filled Polymer Nanocomposites

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Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

Polymer nanocomposites have attracted considerable attention from both academic and industrial points of view owing to the enhanced properties that can be achieved for new materials as compared with unfilled polymers. Metal nanoparticles are of great interest in nanotechnology due to their fascinating properties, small size, and surface plasmon behavior. The method of incorporation of these nanoparticles is crucial since their properties are shape- and size-dependent. Metal-based hybrid fillers have been shown to be more effective in improving the performance of the nanocomposite than the individual components due to the synergetic effect.

This Special Issue invites original papers and reviews reporting on recent progress in the following areas:

-Preparation methods for metal and metal oxide polymer nanocomposites;

-Preparation methods for metal hybrid polymer nanocomposites (clay–metal, carbon nanotubes–metal, graphene–metal);

-Morphology of metal nanoparticles, metal hybrids, and metal and metal hybrid polymer nanocomposites;

-Properties and Applications of metal and metal hybrid polymer nanocomposites.

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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