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Advances in Nanocomposite Polymer Fibers

Guest Editor:

Dr. Elena M. Ivan'kova
Institute of Macromolecular Compounds, Russian Academy of Sciences, Saint Petersburg (ex Leningrad), Russia

Deadline for manuscript submissions:
closed (20 May 2022)

Message from the Guest Editor

Dear Colleagues,

Polymer composites are multicomponent systems that combine two or more components, in order to produce materials with properties that are superior to individual components. In recent years, composites containing nanoparticles of various shapes and nature have been of great interest. The creation of new nanocomposite materials should significantly improve the various properties of already widely known and practically used polymers. Such materials are of high demand in different fields of modern life.

The development of high-performance polymer fibers is very important for various fields and applications. Nowadays, the most common technologies for the production of industrial fibers from synthetic and natural polymers are melt- and wet-spinning. However, it is evident that the preparation of nanocomposite polymer fibers can be associated with noticeable difficulties; namely, the uniform distribution of nanoparticles in the polymer matrix, improving adhesion between the polymer and nanofiller, etc.

It is my pleasure to invite all scientists to contribute their manuscripts to this Special Issue.

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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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