



Polymer Porous Composite Materials: Structure and Properties

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Message from the Guest Editors

Porous polymer materials play a significant role in industry and our daily lives. The properties of porous polymer materials (especially mechanical ones) have been continuously improved in different ways. One of the methods to improve the mechanical and physical properties of polymers is their combination with different micro- and nanoscale materials. Customization of the initial porous polymer matrix with various materials helps to not only improve some of the already known and outstanding properties of the given polymer, but it also adds new ones (e.g., combination polyurethane foams with different nanofillers). Evidently, structural investigation of polymer composites is of great importance since the filler's size, texture, charge, as well as its distribution in the polymer matrix can change the polymerization process and polymer microstructure, and hence, dramatically influence the properties of the composite material.

This Special Issue aims to provide a forum for the discussion of recent advances in the investigation of the structure of porous polymer composites and structure-properties correlations.





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