Special Issue

Waste-Based Polymer Composites

Message from the Guest Editor

One of the most crucial trends in the current research on the development of polymer composites is associated with the application of waste raw materials or those generated by other industries as by-products. Such an approach takes into account the economic and ecological issues, focusing on the reduction in composites' costs or environmental impacts. The recycled and waste materials are significantly cheaper than the virgin raw materials. In case of polymers, the price of recyclates is often over 50% lower. Except for the economic factors, such an approach should be considered as ecologically beneficial. The application of waste or recycled materials may often provide their utilization methods and should be considered a step towards the currently often emphasized circular economy. Because of the richness of potential innovations and future developments, the editors are pleased to launch this Special Issue and invite researchers to contribute their original research papers and reviews on the structure, performance, and applications of waste-based polymer composites.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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