



Performance and Application of Novel Biocomposites

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Message from the Guest Editor

Sustainability and safety along with strength are the cornerstones for the development of contemporary industrial products. Due to this, biocomposite materials are undergoing steady development which can be applied for numerous applications. However, biocomposites often times suffer from poor mechanical properties and are very susceptible to fire. As a consequence, new research should be devised in order to manufacture biocomposites with superior performance properties. This could be achieved using novel biobased reinforcements and natural polymer resins having attractive material characteristics.

The Special Issue, entitled “Performance and Application of Novel Biocomposites”, would serve as a platform for addressing the developments made in the field of polymer composites where innovative methods, materials, and processing are employed to enhance mechanical, fire, and functional properties. Potential topics include but are not limited to the following: carbon-based materials (e.g., biochar and graphene), self-healing composites, flammability, nanoindentation, biopolymers (e.g., gluten), new processing and testing techniques, and fiber surface modifications.





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