Special Issue

Surface Modification of Glass Fibers

Message from the Guest Editor

Glass fibers are melt-spun silica-based inorganic materials, well known and comprehensively used for many years. Their main application is in glass fiber-reinforced composites, which account for more than 90% of all fiber-reinforced composites currently produced. In recent years, basalt fibers have also become the focus of application in polymer and concrete composites due to their remarkable mechanical properties and chemical and thermal resistance. Nevertheless, it is still challenging to improve fibers, interfaces, and composites in key points, so the objective of this Special Issue is to focus on actual research topics related to glass and basalt fibers. Glass but especially basalt fibers are considered for the development of green and biodegradable composites, e.g., in combination with polylactide acid or bio-epoxies; therefore, we should also be able to provide biocompatible approaches for surface modification in the near future. Finally, significant attention will be paid to recycling and re-use of glass fibers separated from composites at end-of-life. For further reading, please visit the ***Special Issue website.***

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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