Special Issue

Multifunctional Polymers and Composites

Message from the Guest Editors

The issue aims at a broad coverage of all related aspects of multifunctional polymers and composites, from their manufacturing, characterization, modelling, applications, etc. Multifunctional materials (MFM) are based on advanced materials with structural and functional capabilities. Some of the most important MFM are smart materials, which are able to reply appropriately to external stimuli, such as self-healing or shape memory materials. These new materials are being developed for many different applications to address the most critical needs in areas such as energy, transport, building, health, and sustainability. **TOPICS**

- Multifunctional polymer based materials: coatings, composites, adhesives
- Smart materials
- Stimuli-responsive materials: sensing, self-diagnosis, self-healing, and adaptive structures
- New developments and designs of polymers, composites and their structures
- Polymer nanocomposites

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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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