



Fatigue and Aging Degradation of Polymeric Materials

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Message from the Guest Editor

The development of polymer engineering, the search for new, innovative materials with often programmable properties has resulted in the expansion of the area of their application, especially in the transport, construction, military, packaging and medical industries. The application of new polymeric materials often requires a synergistic solution, combining a number of mechanical, electrical, thermal, requiring specific model approach. In this approach, the knowledge of exploitation characteristics resulting from the aging and fatigue degradation of polymeric materials is also important. Qualitative and quantitative defined degradation processes is important for both construction design and safe exploitation. The aim of this Special Issue is to exchange information about changes in the characteristics of polymeric materials and their composites during exploitation. Particular emphasis will be placed on assessing the impact of degradation factors on the exploitation properties of the tested materials and defining the mechanisms of their destruction using non-destructive testing methods.





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