Special Issue

Epoxy Resins and Composites

Message from the Guest Editors

Epoxy resins are thermosetting polymers known for their versatility and acceptable properties that have taken credit for a wide variety of applications. To make epoxy resins cross-linked, one needs the use of a proper curing agent. Depending on the functionality of epoxy resins and curing agents, the curability of systems may vary from a partially cured to an intensely cured 3D network. In correspondence to the degree of curing/cross-linking, materials with different properties can be achieved. Despite promising features of epoxy, some drawbacks necessitate the use of particular fillers/additives in developing epoxy-based systems. Correspondingly, further complexities are associated with cross-linking of epoxy, such as incomplete curing caused by constrained interaction between epoxy and hardener, inadequate dispersion of additive in the epoxy resin, and early-stage gelation. Thus, designing advanced thermosetting systems based on epoxy resin necessitates deep understanding of the structure–property relationship. On the other hand, a low potential of hard epoxy-based thermosets brings about serious concerns about environmental issues.

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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