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Epoxy Resins and Composites

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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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Message from the Editor-in-Chief

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 5.8.

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