



Sustainable Adhesives–Bio-based and Sustainable Chemistry in Polymer Science

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Message from the Guest Editors

Adhesives have been used for centuries starting out as mainly bio-based with some tar-based products. This remained the same with little change until the 20th century when synthetic adhesives (mainly petroleum-based) made great inroads in the market due to their superior performance and often lower cost. However, with the interest in the use of renewable materials and the long-term limited supply of petroleum and natural gas, much of the research effort on adhesives has been directed towards using bio-sourced chemicals. This Special Issue deals with adhesives that are mainly bio-sourced, entailing the chemistry involved in making or curing the bio-polymer and/or adhesive, bonding of the substrates, analytical methods related to the adhesive or bonded products, mechanical properties of the adhesive, or durability of the bonded product. Included in sustainability are recyclability and recycling of adhesives and bonded products.





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