



Structure-Property Relationships in Natural Polymers

Guest Editor:

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Message from the Guest Editor

The physical properties of polymers are controlled by their structure. The properties of synthetic polymers are relatively simple, as their structure is definite. However, the structure of natural polymers is very complicated, and their properties are diverse. Up to now, the structure–property relationships of natural polymers have been unclear, although extensive studies have been devoted to this issue. Due to their distinctive advantages of biodegradability, low toxicity, biocompatibility, and availability, natural polymers have been widely used in many different fields, including biomedicine, food, chemical, and so on. Thus, a quantitative understanding of the relationship between structure and properties is vital for the preparation, processing, and application of natural polymer materials.





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