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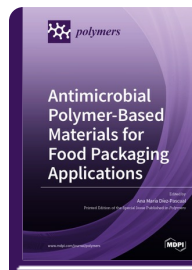
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Antimicrobial Polymer-Based Materials for Food Packaging Applications

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Antimicrobial packaging has recently attracted a great deal of interest from the food industry due to the boost in consumer demand for minimally-processed, preservative-free products. Antimicrobial polymeric packaging systems can be considered an emerging technology that could have an important impact on shelf life extension and food safety. Novel polymeric-based packaging materials are continually being developed. This book collects carefully chosen examples of the most recent and relevant advances in the preparation and characterization of antimicrobial composites for food packaging applications. Different polymer nanocomposites with improved packaging properties are discussed along with their mechanisms of action. Further, future perspectives for antimicrobial polymeric nanomaterials are provided.



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