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Biopolymers in Drug Delivery: Recent Advances and Challenges

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About the eBook

This eBook describes the applicability of diverse natural and synthetic biopolymers and their blends in drugs, vaccines and gene delivery. Examples of yet untapped indigenous African polymers with drug delivery potentials are highlighted.

Contents

- ▶ Introduction: Natural versus Synthetic Biopolymers
- ▶ African Tropical Plant Gums: Grossly Unexploited Carriers or Adjuncts in Drug Delivery Systems
- ▶ Multifarious Potentials of Tropical Animal-Derived Biopolymers in Drug Delivery: Lessons from the African Snail Mucin
- ▶ Application of Modified Tropical Starches in Drug Delivery
- ▶ Natural Biopolymers in Gene Therapy Delivery
- ▶ Particulate Drug Delivery: Recent Applications of Natural Biopolymers
- ▶ Biopolymer Cross-links: Strategies for Improving Drug Release and Delivery
- ▶ Challenges of the Use of Natural Biopolymers in Drug Delivery

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