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1 **HIGHLIGHTS**

2 **Alginate based polyurethanes: A review of recent advances and perspective**

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- 4 • Polysaccharide based biopolymers have potential array of commercial applications.
- 5 • Alginate is biocompatible, bioactive, less toxic and low cost anionic polysaccharide.
- 6 • Alginates in combination with polyurethanes form elastomers, nanocomposites, hydrogels
- 7 etc.
- 8 • Alginate based polyurethane modernized the food and biomedical industries.

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