

Conclusion

This volume presents almost all the overviews and recent topics related to various plant polysaccharides-based multiple-unit systems for oral drug delivery applications. Various natural polysaccharides originated from plant parts like gums, starches, and mucilages are abundantly available from the natural resources. On account of the availability of these plant polysaccharides in larger volume from nature, eco-friendly, low extraction expenditure, safety profile, biocompatibility, and biodegradability, these are being explored and exploited to formulate numerous pharmaceutical drug delivery dosage forms. In recent times, a substantial volume of thoughtfulness has been recompensed to formulate numerous oral multiple-unit sustained-release oral drug delivery systems like microparticles, beads, spheroids, etc. The ionotropic-gelation cross-linking as well as covalent cross-linking techniques are being used to formulate the multiple-unit systems made of various plant-derived polysaccharides. Different plant polysaccharides already investigated as biopolymeric excipient polymers to formulate the multiple-unit systems for sustained releasing of drugs are gum Arabica, sterculia gum, locust bean gum, tamarind polysaccharide, okra gum, fenugreek seed mucilage, *Aloe vera* gel, linseed polysaccharide, tapioca starch, potato starch, etc.