Chapter 6

CONCLUSIONS
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- The present study concludes that both plant polysaccharides (Trigonella foenum graecum) and (Tamarindus indica) could be considered as effective pharmaceutical additives for drug delivery.

- The physical state of polysaccharides such as micrometric properties, molecular weight and rheological properties was in accordance to the existing used polymers.

- Cell viability study also confirmed that polysaccharide will be non-toxic during administration.

- The extracted plant polysaccharide of Tamarindus indica can be considered as a excipient for the development of floating-mucoadhesive drug delivery.

- Extracted polysaccharide possesses optimized value of viscosity and extraction procedure was found suitable with optimum yield.

- On the basis of the present work, polysaccharide of Trigonella foenum-graecum can be well thought-out as a potential substitute for synthetic carriers in the formulation of floating mucoadhesive microspheres for localized drug delivery.

- The crosslinking method was found suitable with high yield of microspheres.

- Characterization of prepared microspheres confirmed that extracted polysaccharide can be utilized as medium for the formulation of floating- mucoadhesive microspheres.