

## CHAPTER 8

### FUTURE SCOPE OF STUDY

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- Feasibility and acceptability trials of studied XOS substituted food products can be increased and other food products can be tried for their acceptability with XOS incorporation like Indian sweets, snacks, main course food products, confectionaries, dairy products, beverages, and ready to cook or ready to eat commercial products like noodles, soups, juices, nutribars, candies and other ready to eat foods.
  
- Shelf life of XOS incorporated food products can also be studied in a variety of above mentioned food products.
  
- Intervention trials can be initiated to study the effect of XOS supplementation in various age groups to improve the establishment of beneficial microbiota and further establish of its role in other non communicable diseases.
  
- Comparative study amongst supplementation of XOS, FOS, GOS, inulin in various age groups to improve the establishment of beneficial microbiota and further establish of its role in other non communicable diseases.
  
- Comparative study amongst feasibility and acceptability, shelf life of various food products substituted with XOS, FOS, GOS, inulin.

- Effects of the above prebiotics on specific disorders like diabetes, hypertension, diarrhea, hyperlipidemia etc.
  
- Similar study can be carried out with other prebiotics like resistant starch, galactooligosaccharides and pectin or combination of prebiotic and probiotics (synbiotic).