



Future scope of study



CHAPTER 8

FUTURE SCOPE OF STUDY

- Feasibility and acceptability trials of studied FOS substituted food products can be broadened and many more food products can be tried for their acceptability with FOS incorporation like Indian sweets, snacks, confectionaries, milk products, beverages, fried products and marketed products like noodles, soups, juices and ready to eat foods and same products can be studied for FOS recovery.
- FOS incorporated food products can also be studied for their shelf life of 2-12 months in variety of above mentioned food products and also in the products studied in the phase I of the research.
- Clinical trials can be initiated to study the efficacy of FOS supplementation in various age groups to improve the establishment of beneficial microbiota and further establish its role in other diseases such as cancer, obesity, immune system disorders, IBS and diarrheal diseases, dental problems and absorption of minerals such as calcium, magnesium and iron.
- Fecal short chain fatty acids such as butyrate, acetate and propionate can also be determined in the stool sample which may give a precise picture of relationship of gut microbiota with reductions in glycemic and lipemic parameters.
- Similar study can be carried out with other prebiotics like resistant starch, galactooligosaccharide, xylooligosaccharides and pectin or combination of prebiotic and probiotics (synbiotic).