Results of present study supported *Lactobacillus rhamnosus* LBS 2 culture with potential for use in probiotic and fruit nutraceutical supplemented probiotic milk based products. However, the *in vivo* animal experiments or cell line studies or nutritional compositional study/ sensory studies will be required to prove the potentiality and acceptability of the products prepared with this culture.

The nutraceutical supplemented probiotic milk based drinks will provide antioxidants, stress relieving properties besides nutrition to the consumer. Further, the probiotic products provide the digestive aid for better absorption/digestion of the food, reduction of *Helicobacter pylori*, relief from constipation, reduction of allergic symptoms and in some reports also cancer prevention.

In future *Lactobacillus rhamnosus* LBS 2 culture can be used for the development of probiotic dairy and non-dairy products for large population groups for the daily use. Himachal Pradesh is fruit bowl of India and is one of the major producers of wild and cultivated fruits. The wild fruits rich in nutraceuticals are still underutilized in the state and as a result of this a lot of natural produce goes as waste. So the wild fruits can be used for the development of fruit nutraceutical supplemented probiotic products for daily healthy dietary consumption.