

LIST OF PLATES

Plate no.	Title	Page no.
4.1	Green banana peels	62
4.2	Green banana peels before fan drying	62
4.3	Green banana peels in hot air oven for drying	63
4.4	Orange peels	63
4.5	Dried green pea shells	63
4.6	Dried powder of green banana peels	64
4.7	Dried powder of green pea shells	64
4.8	Dried powder of orange peels	64
4.9	Corn cob powder procured from Rahi industries, Mehsana, Gujarat.	64
4.10	Xylanase enzyme for enzymatic hydrolysis of xylan	65
4.11	Twenty eight gms of activated charcoal in a vertical glass column of diameter 26mm and length 450mm for purification of XOS	65
4.12	Pure XOS	65
4.13	Petri plate showing growth of <i>Lactobacillus plantarum</i>	66
4.14	Petri plate showing growth of <i>Escherichia coli</i>	66
4.15	Petri plate showing growth of <i>Bifidobacterium adolescentis</i>	66
4.16	Glass vials containing bacteria to check bacterial growth in the spectrophotometer	66
4.17	pH meter	66
4.18	Sample injection in the HPLC column for SCFA analysis	66
4.19	HPLC used for analysis	67
4.20	Glimpse of a panellist performing sensory evaluation of <i>Black rice kheer</i>	67
4.21	Glimpse of panellists performing sensory evaluation of <i>Gajar ka halwa</i>	67
4.22	<i>Paneer butter masala</i>	68
4.23	<i>Black rice kheer</i>	68
4.24	<i>Gajar ka halwa</i>	68
4.25	<i>Prawn patia</i>	68