List of Tables

Table No.	Title	Page No.
2.1	Child Malnourishment in Indian States, 1998-99 and 2005-06	20
2.2	Departmental work on Undernutrition (2007-2010)	23-24
4.1	Details of media used in determining the gut flora of school going children	85
4.2	Record of software used for statistical analysis in the research	102
5.1	Class and Gender wise distribution of primary school children	116
5.2	Age wise trend of Nutritional Status in school going children	117
5.3	Gender based distribution of Nutritional Status of primary school going children	119
5.4	Background information of the children under study	121
5.5	Morbidity profile of school going children	122
5.6	Appetite Profile of Primary School Children	123
5.7	Exposure/Outcome Ratios (OR) between Socioeconomic and other variables and Under nutrition	126
5.8	Exposure/Outcome Ratios (OR) between Socioeconomic and other variables and Diarrhea	127-128
5.9	Exposure/Outcome Ratios (OR) between Socioeconomic and other variables and Common Colds	129
5.10	Scores/grades given to various parameters for Spearman's correlation	132
5.11	Spearman's correlations between grades of nutrition and scores of various socio-economic and health parameters	133-134
5.12	Difference in morbidity profile of nourished and undernourished school going children	137
5.13	Difference in morbidity profile of school going children with various grades of undernutrition	137
5.14	Baseline gut microflora in nourished and undernourished school going children	138
5.15	Analysis of variance in mean log counts (CFU/g) of gut microflora in different grades of undernutrition	140
5.16	Post Hoc Multiple Comparisons of Gut Microflora in different Grades of Undernutrition	141

5.17	Mean serum IgA levels (mg/dl) of nourished and undernourished school going children (5-12 y)	142
5.18	Analysis of variance in mean serum IgA levels in different grades of nutritional status	143
5.19	Profile of Children having Abnormally Low Serum IgA Levels (mg/dl)	145
5.20	Profile of Children having Abnormally High Serum IgA Levels (mg/dl) [n=3]	145
5.21	Analysis of variance in different parameters based on quartiles of serum IgA levels (mg/dl)	146-147
5.22	Post-Hoc test for different parameters based on quartiles of serum IgA levels (mg/dl)	148
5.23	Pearson's Correlations among various parameters based on 1st Quartile of Serum IgA	149
5.24	Predictors for BMI in 1st Quartile of Serum IgA levels	150
5.25	Pearson's Correlations among various parameters based on 2nd Quartile of Serum IgA	151
5.26	Predictors for BMI in 2nd Quartile of Serum IgA levels	152
5.27	Pearson's Correlations among various parameters based on 3rd Quartile of Serum IgA	153
5.28	Predictors for BMI in 3rd Quartile of Serum IgA levels	154
5.29	Pearson's Correlations among various parameters based on 4th Quartile of Serum IgA	155
5.30	Predictors for BMI in 4th Quartile of Serum IgA levels	156
5.31	Difference in the mean nutrient of nourished and undernourished children under study and its comparison with the recommended dietary allowances	157
5.32	Association between Energy intake and nutritional status, morbidity profile and gut microflora of school going children	161
5.33	Association between Carbohydrates intake and nutritional status, morbidity profile and gut microflora of school going children	162
5.34	Association between Protein intake and nutritional status, morbidity profile and gut microflora of school going children	163
5.35	Association between Fat intake and nutritional status, morbidity profile and gut microflora of school going children	164
5.36	Association between Total dietary fibre intake and nutritional status, morbidity profile and gut microflora of school going children	165

5.37	Association between Iron intake and nutritional status, morbidity profile and gut microflora of school going children	166
5.38	Association between Calcium intake and nutritional status, morbidity profile and gut microflora of school going children	167
5.39	Association between Zinc intake and nutritional status, morbidity profile and gut microflora of school going children	168
5.40	Association between Vitamin C intake and nutritional status, morbidity profile and gut microflora of school going children	169
5.41	Association between Serum IgA levels and dietary intake of primary school going children	170
5.42	Associations between BMI for age and gender and morbidity and biochemical parameters of school going children	173
5.43	Stepwise Linear Regression for predicting the BMI (for age and gender) of school going primary school children	174
5.44	Impact of FOS incorporated ice-cream on gut-microflora establishment of undernourished children	180
5.45	Impact of FOS incorporated ice-cream on morbidity status of undernourished children	182
5.46	Impact of FOS incorporated ice-cream on anthropometric measurements of undernourished children	184
5.47	Impact of FOS incorporated ice-cream on serum IgA levels of undernourished children	185