

Table of Tables

Chapter	Title	Page No.
Chapter 1.		
Table 1.1	Sources of heavy metals	4
Table 1.2	Major heavy metal contaminated sites in India	4
Table 1.3	Percentage of mortality and the mean intensity of the organ lesions on endotoxin treatment in rats pre-sensitized with Pb	11
Table 1.4	Major health benefits of Probiotics	31
Table 1.5	Important Probiotic products in market	33
Table 1.6	Classification of certain carbohydrates as colonic food prebiotics	35
Table 1.7	Applications of designer probiotics in humans	44
Table 1.8	Overview of genetically engineered <i>EcN</i> 1917 for clinical exploration	47
Chapter 2		
Table 2.1	Primers	55
Table 2.2	Plasmids and Bacterial Strains	55
Table 2.3	Experimental design for animal experiment	56
Table 2.4	PQQ Concentration in fecal matter and Liver Homogenate of rats	62
Chapter 3		
Table 3.1	Plasmid and Strains	69
Chapter 4		
Table 4.1	Short Chain Fatty Acids (SCFAs) Concentration in Colonic Matter of Pb treated rats after LPS/GalN injection	85
Chapter 5		
Table 5.1	Short Chain Fatty Acids (SCFAs) Concentration in Colonic Matter of Cd-Pb exposed rats.	95
Table 5.2	PQQ and 2-Ketogluconic acid (2-KG) concentration in fecal matter, liver Homogenate and serum of rats; Cd and Pb levels in feces.	96
Table 5.3	Serum lipid profile, body weight change, haemoglobin and bilirubin levels in rats.	96
Chapter 6		
Table 6.1	Primers	104
Table 6.2	Plasmids and Bacterial Strains	104
Table 6.3	Serum lipid profile, body weight change, haemoglobin (Hb) levels and As concentration in liver.	113
Table 6.4	PQQ Concentration in fecal matter and liver Homogenate ; Short Chain Fatty Acids (SCFAs) Concentration in Colonic Matter.	113