LIST OF TABLES

Table No.	Table Captions	Page No.
Table 2.1	Biocatalysts screened from metagenomic libraries	20
Table 3.1	List of bacterial strains and plasmids used in the study	25
Table 3.2	List of Molecular Biology grade chemicals/kits	26
Table 3.3	List of the equipment used in the present study	27
Table 4.1	Yield and purity of mgDNA	55
Table 4.2	Yield, purity and other useful parameters of crude	57
	mgDNA isolated by five different methods	
Table 4.3	Yield and purity of pUC19 plasmid DNA	60
Table 4.4	Yield and purity of the recombinant pUC19 plasmid	64
	DNA	
Table 4.5	Homologous search result of the cellulase gene	72
	(CelT3) using the Basic Local Alignment Tool	
	(BLASTp) from NCBI	
Table 4.6	Specific activity, % yield and purification fold of the	76
	recombinant CelT3	
Table 4.7	The specific activity of the purified cellulase	77