

LIST OF TABLES

Table 1.1	Enzymes applications in different sectors	24
Table 1.2	Color Index application classes	30
Table 2.1	Different growth media	39
Table 2.2	Different reactive textile dyes used	41
Table 2.3	Showing different concentrations of ammonium sulphate used for precipitation of Manganese Peroxidase, Manganese Independent peroxidase and Laccase during partial purification	48
Table 2.4	Composition of Treatment buffer	49
Table 2.5	Composition of 12% resolving gels used	49
Table 2.6	Composition of stacking gel used	50
Table 2.7	Composition of Glycine SDS buffer (5X)	50
Table 2.8	Composition of CBB dye solution	50
Table 3.1-3.2	Influence of inoculum size on solid plate dye decolourization by <i>Irpex lacteus</i> and <i>Phanerochaete chrysosporium</i>	152
Table 3.3-3.4	Influence of inoculum size on % dye decolourization by <i>Irpex lacteus</i> and <i>Phanerochaete chrysosporium</i>	153
Table 3.5-3.6	Optimization of particle size for ligninolytic enzyme production by <i>Irpex lacteus</i> and <i>Phanerochaete chrysosporium</i>	154
Table 3.7-3.8	Optimization of incubation time for enzyme production by <i>Irpex lacteus</i>	155
Table 3.9-3.10	Influence of reaction time on ligninolytic enzyme activity produced by <i>Irpex lacteus</i> and <i>Phanerochaete chrysosporium</i>	156
Table 3.11	Average percent weight loss of <i>Azadirachta</i> wood during each incubation period	90
Table 3.12	Average percent weight loss of <i>Tectona</i> wood during each incubation period	95