

LIST OF TABLES

Table 1.1	Structural parameters for the three crystalline phases of TiO ₂ .	9
Table 1.2	Particle size in anatase phase during formation of rutile phase.	11
Table 2.1	Different ions with their charge states and range of energy.	36
Table 3.1	Percent hemolysis of RBCs incubated with TiO ₂ is 0.002%, Positive control PBS is 100% and Negative control is 0%.	70
Table 4.1	Standard JCPDS data of TiO ₂ , anatase and rutile phase with refined experimental data of Ti _{1-x} Mn _x O ₂ (x = 0.01, 0.02 and 0.03).	84

