LIST OF TABLES

Tables	Title	Page
Table 1.1	Properties of Engineered nanoparticles and its applications	9
Table 1.2	Major applications of Engineered Nanoparticles	12
Table 1.3	Major applications of Metal oxide Nanoparticles	15
Table 1.4	Pathways of entry of NPs into cell	19
Table 1.5	*In vitro* studies on toxicity of metal oxide nanoparticles	20
Table 1.6	*In vivo* studies on toxicity of metal oxide nanoparticles	23
Table 2.1	Standard specifications about metal oxide nanoparticles mentioned by Aldrich	34
Table 3.1	Organ weights of chicken embryos treated with Titanium oxide nanoparticles	68
Table 3.2	Organ weights of chicken embryos treated with Iron oxide nanoparticles	70
Table 3.3	Organ weights of chicken embryos treated with Zinc oxide nanoparticles	72
Table 3.4	Organ weights of chicken embryos treated with Magnesium oxide nanoparticles	74
Table 3.5	Organ weights of chicken embryos treated with Aluminium oxide nanoparticles	76
Table 4.1	Density, viscosity and surface tension of water, saline and albumen at 37 ˚C	94
Table 4.2	Limiting density, Limiting viscosity and Limiting surface tension of Fe_2O_3 NPs in water, saline and albumen	94

Table 4.3	Density, viscosity, surface tension, friccohesity, activation energy, molecular radii of Fe_2O_3 NPs in water, saline and albumen at 37°C	95
Table 4.4	Limiting friccohesity, Limiting activation energy and Limiting molecular radii of Fe_2O_3 NPs in water, saline and albumen	98
Table 4.5	Limiting density, Limiting viscosity and Limiting surface tension of TiO_2 NPs in water, saline and albumen	98
Table 4.6	Density, viscosity, surface tension, friccohesity, activation energy, molecular radii of TiO_2 NPs in water, saline and albumen at 37°C	99
Table 4.7	Limiting friccohesity, Limiting activation energy and Limiting molecular radii of TiO_2 NPs in water, saline and albumen	102
Table 5.1	Percentage of secondary structure components in Native Albumen and TiO_2 NPs + Albumen	120
Table 6.1	Percentage of secondary structure components in Native egg albumen and Fe_2O_3 NPs + egg albumen	142
Table 6.2	Organ weights of chicken embryos treated with Iron oxide nanoparticles (immersion)	146