

LIST OF GRAPHS

Graph No.	Graph title	Page No.
4.1	% Entrapment efficiency of neem oil chitosan nanoparticles at different parameters	124
4.2	% Entrapment efficiency of cinnamon oil chitosan nanoparticles at different parameters	125
4.3	% Entrapment efficiency of clove oil chitosan nanoparticles at different parameters	126
4.4	% Entrapment efficiency of carom oil chitosan nanoparticles at different parameters	127
4.5	Calibration curve of neem essential oil	138
4.6	Calibration curve of cinnamon essential oil	139
4.7	Calibration curve of clove essential oil	139
4.8	Calibration curve of carom essential oil	140
4.9	Change in % entrapment efficiency of Neem essential oil chitosan nanoparticle treated cotton fabric after exposing to different storage condition for two months	172
4.10	Change in % entrapment efficiency of Cinnamon essential oil chitosan nanoparticle treated cotton fabric after exposing to different storage condition for two months	172
4.11	Change in % entrapment efficiency of Clove essential oil chitosan nanoparticle treated cotton fabric after exposing to different storage condition for two months	173
5.1	Entrapment efficiency % and Loading capacity % of all the four optimized nanoparticles	188
5.2	Zone of inhibition (mm) of the optimized nanoparticle treated cotton fabric against the selected bacterial colonies	191