General Remarks

- $^1$H NMR spectra were recorded on Bruker 400, 500 MHz spectrometer using tetramethylsilane (TMS) as an internal standard. Chemical shift have been expressed in ppm units downfield from TMS.
- $^{13}$C NMR spectral of synthesised compounds were recorded on Bruker 400, 500 MHz spectrometer.
- Mass Spectra were recorded on Polaris-Q Thermoscientific spectrometer.
- Melting points were recorded in open capillary on are uncorrected.
- All réactions were monitored by Thin Layer Chromatography (TLC) carried out on Aluminium sheets 20 x 20cm, Silica gel 60 F$_{254}$, Merck grade with UV light and iodine.
- Organic layers were dried over anhydrous sodium sulfate otherwise stated.
- All solvents and reagents were purified and dried by known procedures in the literature.
- Silica gel column chromatographic separations were carried out by gradient elution with hexane-ethyl acetate mixture, unless otherwise mentioned (silica gel, 60-120 mesh/100-200 mesh).
- Starting materials were obtained from commercial sources or prepared using known procedures.
- The compound numbers, Scheme numbers, Figure numbers and Table numbers given in each Chapter refers to that particular chapter only. Independent compound numbering has been employed or abstract and chapter.
- All the compound previously known in the literature were characterized by the comparison of melting point, IR and NMR specra, HRMS with authentic samples.