ANNEXURE

1. All the melting points reported in this thesis were taken in open capillaries and are uncorrected.

2. Infra-red spectra were obtained on a Perkin-Elmer instrument at the R.S.I.C., I.I.T. Madras.

3. UV spectra were recorded on a double beam Carl-Zeiss Spectrometer using 1 cm quartz cells.

4. PMR spectra were recorded on:
   i) 90 MHz Varian instrument at R.S.I.C., I.I.T.-Madras.
   ii) 60 MHz Varian or 270 MHz FT NMR instrument at I.I.Sc., Bangalore.
   Chemical shifts are expressed in terms of δ ppm downfield from TMS.

5. Mass spectra were recorded on varian Mat CH7 instrument at 70 eV using direct insertion.

6. All the compounds were checked for their purity by TLC and purified by column chromatography wherever it was found necessary.

7. Abbreviations:
   Ethyl Alcohol ; Ac₂O - Acetic Anhydride.
   Triphenyl phosphine ; Bu₃N - Tri-n-butylamine.
   AcOH - Acetic acid ; MeOH - Methanol.
   Ph - Phenyl.