

A C K N O W L E D G E M E N T

The present thesis embodies research investigations carried out by the author in the Department of Chemistry, University of North Bengal, Darjeeling, West Bengal, India.

The author expresses her deep sense of gratitude to Dr. A.K.Ghosh, D.Phil, Professor of Chemistry, University of North Bengal, for his inspiring and continuous guidance throughout the investigation.

The author is indebted to Dr. S.K. Saha, Senior Lecturer in Chemistry, University of North Bengal for the help in getting some N.M.R spectra and to ^{Dr.}B. Basu, Lecturer in Chemistry, University of North Bengal for his useful discussions in connection with the interpretation of N.M.R spectra.

She would like to thank Dr. B.K.Deb for various help in her experimental work.

Thanks are due to the Director, C.D.R.I, Lucknow, India, Dr. T. Basu Baul, Scientific Officer, N.E.H.U, Dr. J. Greenslade, Department of Chemistry, University of Essex, U.K., and Dr. Edvards Liepinsh, Institute of Organic Synthesis, Aizkraukles 21, Riga, U.S.S.R for IR and NMR spectra recorded in this thesis.

(II)

The author is thankful to many research scholars to the University of North Bengal particularly to those in the Department of Chemistry for their various help during the entire period of investigation.

The author is thankful to the University Grants Commission for providing a Junior Research Fellowship and to the authorities of the University of North Bengal for Laboratory facilities, etc.

Finally, the author expresses her gratitude to her parents in law for their constant inspirations.

Department of Chemistry
University of North Bengal
Darjeeling
West Bengal, India.

August 1989.

Mrs. Sima^{Das} Das (U. H. S.)
Mrs. Sima (Dutta)