

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

The present thesis embodies the results of research carried out by the author at the Department of Chemistry, University of North Bengal, Raja Rammohunpur, Dist. Darjeeling.

The author takes this opportunity to record his grateful thanks to Dr. S.N. Bose, Reader of the Department of Chemistry, University of North Bengal, Dist. Darjeeling, for his valuable suggestions, continuous guidance and untiring interest throughout the research programme.

The author is highly indebted to Prof. G. Snetzke, Ruhr University, Bochum, Germany, Late Prof. W. Klyne and Dr. P.A. Scopes - both of Westfield College, University of London, U.I. for their helpful discussion and for kindly arranging CD spectra.

The author is also highly indebted to Prof. D.L. Hazra, Prof. L.C. Roy and Prof. A.K. Ghosh, Dr. B.P. Pradhan, all in the Department of Chemistry, North Bengal University for their keen interest and encouragement.

The author is thankful to Dr. R.P. Sharma, Regional Research Laboratory, Jorhat, Assam for some mass and NIR spectra.

The author is grateful to Dr. R.P. Rastogi, Central Drug Research Institute, Lucknow, India, for the generous gift of an authentic specimen of epi-catholide.

The author is thankful to the Head, CSIC, Central Drug Research Institute for the most of mass spectra,  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, CD, IR, GLC and the micro analyses<sup>6</sup> recorded in the thesis.

The author is also grateful to the Head, CSIC, Bombay IIT for some  $^1\text{H}$  NMR spectra. The author expresses his thanks to Mr. Aloke Mazunder, Scientific Officer, Department of Chemistry, University of North Bengal, for the UV and IR spectra recorded in the thesis.

The author is indebted to Dr. B. Basu, Department of Chemistry, Case Western Reserve University, Cleveland, Ohio, USA, for kindly arranging a few 200 MHz for  $^1\text{H}$  NMR and  $^{13}\text{C}$  NMR (50.5 MHz) spectra.

The author expresses his thanks to Dr. T.K. Roy, Dr. S.K. Saha, Dr. Satyajit Chakraborty, Mr. Pranab Ghosh, Mr. Animesh Roy of this Department for their valuable co-operation.

The author is grateful to the authorities of the University of North Bengal for the award of a research fellowship and for extending laboratory facilities.

Finally, the author expresses his gratitude to his beloved parents and wife for their constant encouragement.

Department of Chemistry,  
University of North Bengal,  
Raja Ramchunpur,  
Dist. Darjeeling,  
November, 1989.

*Swapan Kumar Nag*  
SWAPAN KUMAR NAG