

# I

## ACKNOWLEDGEMENT

In this thesis the author presents the results of the research work carried out by him at the Department of Chemistry, North Bengal University, Pt. Darjeeling, West Bengal.

The author at his first opportunity wants to record his deepest sense of gratitude to Mr. D. Rajee, M.Sc., Lecturer in Chemistry, North Bengal University, for his guidance and active supervision in every phase of this work. The author thinks any word would be insufficient to pay back his debt to him.

The author extends his warmest thanks to Mr. S.S. Banerjee, Mr. A.K. Guha (Both of Central Food Laboratory, Calcutta) and Mr. B.B. Roy (Director of Central Food Laboratory, Calcutta) for preliminary investigations of anti-bacterial and antifungal activity of some of the compounds described in the thesis.

Thanks are due to Mr. T.K. Das Gupta, Lecturer in Chemistry, North Bengal University for helpful discussions.

The author is deeply grateful to Mr. S.L. Datta, Scientific Officer, Department of Chemistry, North Bengal University for recording the IR spectra presented in the thesis.

The author deeply appreciates the generous help and continuous inspiration given by some of his relatives and friends, Miss S. Dutta, Mr. G. Biswas and Dr. A. Roy, in particular, throughout research programme.

## II

Thanks are due to the Librarian and the members of his staff, North Bengal University for their cooperation.

In conclusion the author expresses his gratitude to Dr. H.N.Bhastgir (Head of the Department of Chemistry, North Bengal University) for extending full Laboratory facilities and to the authorities of the North Bengal University, for the award of a University Research Fellowship.

Department of Chemistry,  
North Bengal University,  
Dist. Darjeeling  
West Bengal (INDIA)

Subhas Chandre Bandyopadhyay

AUGUST, 1975.