

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

Investigations presented in this thesis were carried out by the author at the Department of Chemistry, University of North Bengal, Raja Ramohunpur, Dist. Darjeeling

The author expresses his deep sense of gratitude and thankfulness to Professor Bimal K. Das, Professor of Chemistry, North Bengal University, for his valuable suggestions, guidance and continued interest during the progress of the work.

The author sincerely thanks to Prof. A.K. Ghosh, Department of Chemistry, North Bengal University for his interest and encouragement.

The author wishes to express his gratitude and indebtedness to:

Indian Agricultural Research Institute, New Delhi for supplying pure cultures of some fungi.

Prof. M. Eto, Department of Agricultural Chemistry, Kyushu University, Fukuka, Japan, for helping the author to get a number of reprints.

Central Drugs Research Institute for Mass and NMR spectra of the compounds.

The author is very much thankful to his fellow research workers A. Lahiri, P.K. Roy, B.Bhattacharya, B. Bhaumik, T.Pandit, J. Dasgupta, S. Misra, S. Guha and other research workers of the department.

The author is also thankful to Mr. S. Choudhary, for typing the manuscript in a very short time.

The author is grateful to the authorities of North Bengal University for laboratory and other facilities. He is indebted to the Ministry of Forest and Environment, Government of India for awarding a fellowship.

The author deems it a proud privilege to express his deep sense of gratitude to his parents and specially to his brother Sahajahan Hossain for his sacrifice and constant inspiration.

Dated, the 26th. July, 1988  
Department of Chemistry,  
University of North Bengal,  
Raja Rammohunpur, Darjeeling-734430.

Abdul Samad.  
(Abdul Samad)