ACKNOWLEDGEMENT

The author takes her sincere privilege to express her sense of gratitude and indebtedness to Dr. J.C. Kalita, Reader, Department of Zoology, Gauhati University and Prof. M.C. Kalita, Professor, Department of Biotechnology, Gauhati University, Assam for their sincere guidance, constructive suggestions and generous attitude at all stages of the work and preparation of the thesis.

Her thanks are also due to Prof. D.K. Sarmah, Professor and Head of the Department of Zoology, Gauhati University for his kind and valuable advice rendered during the course of the work.

The author remains thankful to Prof. L.K. Hazarika, Professor and Head, Dept. of Entomology, Assam Agricultural University, Jorhat, Assam for his encouragement and valuable advice. She offers her sincere thanks to Dr K. C. Puzari, Chief Scientist, Dept. of Mycology and Prof. P. Dutta, Professor, Dept. of Plant Pathology, Assam Agricultural University, Jorhat, Assam for their help in reference collection and Experimental designing. She also thankful to Prof. R.S. Saikia, Professor, Dept. of Agro Economics, Assam Agricultural University, Jorhat, Assam for his kind helps.

She offers her sincere thanks to Dr. M. Hazarika, Director, Tocklai Experimental Research Station. She remains ever grateful to S. Debnath, Sr. Scientist, Plant Protection Division, Tocklai Experimental Research Station, Jorhat, for his constant encouragement, valuable advice, useful suggestions and kind help during her research work. She also thanks to Dr. B.K. Borthakur, In Charge, Plant Protection Division, Tocklai Experimental Research Station Jorhat for his suggestions and kind help time to time during her research work.

She offers her sincere thanks to Prof. G.U. Ahmed, Prof. S. Sarma, Professors, Dept. of Biotechnology and Prof. A. Dutta, Prof. A. Borkotoki, Prof. U. C. Goswami, Prof. J. Kalita, Professors, Dept. of Zoology and other Faculty members of both the Department of Zoology and Biotechnology, Gauhati University for their constant encouragement.
The author remains grateful to Mr. M.K. Bhattacharjee, Director and Proprietor of Rani Organic Tea Estate for his great help during her work.

She highly acknowledged the help received from Dr. Alak Chandra Deka, Scientist, TERI, North Eastern Regional Centre, Guwahati, for his whole hearted help, constructive suggestions during the entire period of the work.

It is her pleasure to acknowledge Jayanta Talukdar, Research Scholar, Dept. of Biotechnology and Dr. Utpal Dutta, Administrative Officer, Academic Staff College, Gauhati University, Guwahati, for their kind help during photography.

She gratefully acknowledged the help received from Dr. B. K. Ray, during statistical analysis and J. Deka of TECHNOART for nicely composing, printing and binding the manuscript in time.

It is her pleasure to express indebtedness to B. Kalita, B. Ray and M. Kalita from Dept. of Biotechnology, Gauhati University, whose constant companion and help in multi dimensional works had accelerated the completion of the work.

Last but not the least, the author express her deep gratitude to her husband, parents, brothers, sisters and other friends and all well wisher who during the course of the work had constantly landed a helping hand and their understanding, patience without which this work would not have been completed.

Date: (Novonita Baruah)

Place: