ACKNOWLEDGEMENTS

“My heart praises the Lord;
My soul is glad because of God my Saviour,
For he has remembered his lowly servant!
….And great things has done for me.” Lk. (1:47-49)

Firstly with great indebtedness, I prostrate before JESUS CHRIST, My Lord and Saviour for His immense grace and blessings and MARY, my Mother who guided me through out this period for the successful completion of this research work.

I would like to express my deep sense of gratitude to Dr. Dennis Thomas T., my research guide, Department of Botany, St Thomas College Palai for his constant encouragement, patient listening, valuable suggestions, inspiring comments, timely advices, critical evaluation of the thesis and the freedom of work he provided me all throughout my research period.

It is a joyous occasion to sincerely express my gratitude to Dr. K.K, Jose, Principal, St. Thomas College, Palai for his whole hearted support. I also extend my heartfelt thanks to Rev. Dr. Mathew John Kokkat, former Principal of St. Thomas College, Palai for allowing me to join here.

I express my sincere thanks to Dr. Jomy Augustine, Head of the Department of Botany, St. Thomas College, Palai for providing all the necessary facilities needed for this work. I am gratefully acknowledging my gratitude to all the faculty, staff and research scholars of Botany department for the timely help and support. I take this opportunity to express my sincere thanks to Dr. N.S. Pradeep and the research scholar Sivu A.R, Plant Systematics and Evolutionary Science Division, Tropical
Botanical Garden and Research Institute, Palode, Trivandrum for their valuable assistance to carry out the PCR based molecular biology areas of my work and also for carefully correcting the manuscript of this areas. I also extend my thanks to Dr. Hashim, Senior Scientist, Kottakkal Aryavaidyasala, Malappuram and U-win agencies, Bangalore, for their skillful assistance in carrying out the spectroscopic studies of my research work. My heartfelt thanks go to Dr. Sr. Kochuthressia M.V. (Sr. Serene CMC), Head of the Botany Department, Vimala College, Thrissur for the identification of the plant and also for the timely helps, Dr. Beena Jose (Sr. Mable CMC), Chemistry Department, Vimala College, Thrissur for her valuable help in the interpretation of spectroscopic data. I am also thankful to faculty and staff of the Departments of microbiology, Jubilee Mission Medical College for providing isolated pathological fungal strains and St. Thomas Hospital, Chethipuzha for providing pathological bacterial strains for this study.

During this period of my study I am indebted to many persons for their sincere advice and support. I am especially thankful to Dr. Shibu George, Mr. Bince Mani, Mr. Shal Chandran, Sr. Namitha, SR. Vincy, Sr. Seena, MRS. Anice, and all other research scholars of Botany and zoology department especially during the course of my study for the timely helps they offered and also for maintaining a pleasant working atmosphere in our lab.

My sincere thanks to the librarians and staff of St. Thomas College Library, Palai, M.G. University Library and Computer Centre, St. Thomas College, Palai for providing all the facilities especially internet facilities. I specially remember Remyamol KK for helping me to do the Photoshop works of my thesis.

I am highly indebted to my congregation (CMC, Nirmala Province, Thrissur), My provincial superior Mother Omer and councillors and former provincial Mother Nilus and councillors for providing me such an opportunity to do this course in this esteemed institution, their motherly concern and prayerful support at every stage of my studies and project. I am also grateful to all my superiors and all my sisters for their constant inspirations and moral boosting in my trying times.
I am overwhelmed to express my whole hearted thanks to Sr. Christopher and Carmelaram Convent community, Sr. Jaya Rose, Sr. Marriete, Sr. Sunitha, Sr. Jossaphine, Mr. Krishnakumar G, Sr. Marggarette, Sr. Ann Mathew and my friend Miss Jyothis Abraham whose timely help needs special mention.

My thanks also goes to my beloved family members, especially my Appachan for inspiring me to select this plant, Amma, Mini Chechi, Jackson chettan, Achu and Abraham for all their whole-hearted cooperation, valuable helps, encouragements and sincere prayers.

I wish to extent my thanks to Guru DTP, Arunapuram and Omega DTP Centre, Kottaramattom for the type settings and binding of the thesis.

I acknowledge with gratitude the financial support in the form of Junior research fellowship given by M.G. University, Kottayam.

It is impossible to thank all those separately who are responsible for this day as it is depended on several yesterdays. I am personally thankful to all those known and unknown faces who directly or indirectly helped me during the phase of my work towards my thesis dissertation.

Place : Palai
Date : Meena K. Cheruvathur