ACKNOWLEDGEMENT

I am eternally grateful to God Almighty for bestowing His choicest Blessings on me throughout the course of my study.

It is with a deep debt of gratitude that I remember the numerous individuals and institutions that helped me to complete this work successfully.

First, I would like to record with gratitude the name of my research guide Dr.(Sr.) Avita, Professor (Retd.), Department of Botany, St.Teresa’s College, Ernakulam. Her scientific breadth, valuable suggestions, constructive criticism, constant support and encouragement were immeasurably helpful for the preparation of this thesis. My great debt of gratitude to her is beyond words.

My heartfelt thanks are due to Dr.(Sr.) Merlee Teresa M.V., Reader (Retd.) Department of Botany, St.Teresa’s College, Ernakulam for her valuable suggestions, support and encouragement. I express my sincere thanks to Rev.Sr.Tessa, former Principal and Rev.Sr.Christabelle, the present Principal, St.Teresa’s College, Ernakulam.

I am extremely grateful to Rev.Dr.Thomas M.Kottoor, Manager and Dr.(Sr.) Karuna, Principal, B.C.M.College, Kottayam. I sincerely express my indebtedness to Rev. Sr.Lucy and Rev. Sr.Libia, former principals of B.C.M.College. I also thank the former H.O.D. Smt.Aleyamma Varghese, the present H.O.D. Dr.Jossy Abraham and my colleagues - Dr.Peter K.Mani and Smt.C.A.Sabeena as well as other members of the Dept. of Botany, B.C.M.College, Kottayam.

I am thankful to Dr.P.M.Mathew, Former Professor and Head of the Department of Botany, University of Kerala, Trivandrum for the discreate
advice, critical evaluation and interest that he has shown to me. I also express my sincere gratitude to Dr.Liza Jacob, Department of Botany, St.Teresa’s College and Dr.C.T.Chandralekha, Biocenter, Changanassery and Mr.Bobby J.Mathew for the kind consideration and valuable help.

I recall with gratitude Mr.Jose M.C., Lecturer in Statistics, S.B.College, Changanassery for rendering me necessary help in the statistical interpretation of the data.

I am immensely thankful to Dr.Kulandaivelu, School of Biological Sciences Madurai Kamaraj University, for the SEM photographs. I remember with gratitude Dr.M.E.Kuriakose, Reader, Department of Botany, Baseliou College, Kottayam and Dr.Geetha Hari, Lecturer, Department of Botany, C.M.S.College, Kottayam for availing me the laboratory facilities for pollen acetolysis.

Thanks are due to the authorities of NBGRI, Lucknow; RRII, Kottayam; Mahatma Gandhi Univesity, Kottayam for providing me the necessary library facilities to carry out the reference work.

I am obliged to the former H.O.D. Smt. N.C.Marykutty and the present H.O.D. Smt.Elsam Joseph and all the teachers and non-teaching staff of the Department of Botany, St.Teresa’s College, Ernakulam for their encouragement and support. Thanks are due to my colleagues of the research centre, Department of Botany for their whole hearted co-operation.

My heartfelt thanks to Dr.Rekha K., Lecturer, St.Mary’s College, Thrissur and Dr.Anitha C.T., Lecturer, Post Graduate Department of Botany, S.N.College, Nattika, for the invaluable help and support.
The help rendered by Mr. Abraham Joseph and Smt. Vimala Abraham, Lecturer, Selection Grade, Department of English, St. Mary’s College, Manarcadu is greatly acknowledged.

I thank the U.G.C. for granting me fellowship under the F.I.P. which has enabled me a lot to conduct this study. I am thankful to the services offered by Smt. Santha K, Veeyem Graphics, Ernakulam and Bio Centre Changanassery for the neat typing and completion of my thesis.

I remember all my dear and near ones with immense love and gratitude.

My unbounded gratitude to my beloved parents, in-laws, brothers, sisters, husband and children for their understanding, tolerance, unlimited patience, inspirations and blessings for the successful completion of my study.

Selinamma Joseph