ACKNOWLEDGEMENTS

When I look back into the days of toil and sweet leading to the completion of my thesis, I feel constrained to thank many who have extended relentless support and encouragement to me in the grand task.

I am extremely happy to express my deep sense of gratitude to Dr. K.I. Mani Varghese, Retd. professor, Department of Botany, Union Christian College, Aluva for his valuable guidance, support and supervision. His Scholarly advice and inspiration helped me a lot to materialize this venture.

I am most sincere and earnest in expressing my heartfelt gratitude towards Dr. Thomas Philip, Principal of Union Christian College, Aluva and former Principal Dr. Varghese John for permitting me with all facilities to carry out the research work as a full time research scholar.

I am extremely happy to express my deep sense of gratitude to Dr. Thara K. Simon, Head of the Department of Botany and also the former Department Heads, Prof. Santha M. Mathew and Prof. P.J. Aleyamma for their unequivocal support and encouragement given to me at all stages of my research work. I specially thank other faculty members of the department Dr. P.M. Kuriachan, Dr. P. Thomas Mathew, Dr. David Saj Mathew, Dr. Manju M George, Dr. Anil Kumar and Smt. Anumol Jose for all the encouragement, criticism and valuable suggestions all through the work. I am thankful to the office staff and the Office Superintend Sri Kuriakose for their immense help to conduct this research work.

I express my deep felt gratitude to my teachers and former heads of the Department Prof. C.M. Mathew, Dr. Joy Job Kulavelil, Dr. Velayudhan Thampy and Dr.C. Joyce Mathew for their inestimable love and affection in addition to their valuable help given to me.

It is my pleasant duty to thank the authorities of Mahatma Gandhi University, Kottayam, for availing the Univ. JRF. during the tenure of this research work.
I acknowledge with gratitude the guidance given by Dr. C. Renuka, Registrar and Scientist, Kerala Forest Research Institute, Peechi, Thrissur, during paper presentation in National Seminar at KFRI on Conservation, Cultivation and Sustainable Utilization of Saraca asoca during 16-17 Oct 2007, by which I have given stress to statistical correlation. Also I extend my deep felt gratitude to Dr. K.K.N. Nair, former head of the Botany division, Dr. K.C. Chacko, former head of Silviculture division and scientists Dr. E.J. Maria Florence, Dr. N. Sasidharan, Dr. C. Mohanan, Dr. Sujanapal, and Dr. Sree Kumar for helping me in various levels to acquire the techniques in plant propagation.

I am highly grateful to the library services given to me by Sri. Cherian. K, George and the staff members of Union Christian College Library, Aluva. I am also thankful to the staff of the libraries at KFRI, Peechi, Central Library, Agriculture University, Vellanikara, Thrissur and Horticulture Department Library, Agriculture University, Vellanikara, Thrissur, for placing at my disposal, the valuable books, Journals and other material services relevant to the study.

I acknowledge the valuable help and guidance offered by Dr. Sarala Samuel, Sr.Manager, R & D, and Dr.C.I. Jolly, Scientific Consultant, Kerala Ayurveda Ltd. Athani, Aluva, during the accomplishment of my long cherished dream of a research degree.

I wish to register my deep thanks to Mrs. Sreekala V.C. and K.J. Jabir, Statistical Analysts, Samiiksha research and Analytic Consultants, CUSAT Road, Kalamassery, for helping me with suggestions and performance in statistical analysis.

I feel heartfelt thanks to Sri. P.P. Thomachan, Gardener, Union Christian College, Aluva for being instrumental in maintaining the mist chamber and the nursery plants throughout the study period. I am also thankful to Sri. V.C. Manoharan, Sri. Baby Thomas, Sri. Baby Abraham and Sri. Biju Paul who worked as Herbarium keeper, lab assistants and storekeeper who rendered their valuable time and help in various capacities from time to time.

I wish to express my sincere gratitude to Sri. Syamlal V., Indu Photos, South Kalamassery for the timely completion of Word processing job.
I have got to be grateful to my sisters and brother-in-laws and their family members, friends and well wishers for the constant inspiration, support and prayers they rendered for the completion of this work.

I am bowing before the memories of my mother and father who passed away during January 2009 and July 2009 when the research work was in progress. Their inestimable care, inspiration and loving kindness, which I experienced till their last moments is beyond all words. The remembrance of their filial affection, encouragement and blessings is my only inspiration in all my undertakings.

Last but not the least, I kneel down in profound humility and deep gratitude before The Lord Almighty for showering his blessings and grace on me through all the stages of this humble endeavor and thereafter.

18/07/2011

Justin R. Nayagam