ACKNOWLEDGEMENTS

I wish to record my sincere thanks to my research adviser and supervisor, Dr. V. Ragunathan, M.Sc., M.Phil., Ph.D., M.Ed., Associate Professor and Head (Retd.), Department of Chemistry, Kandaswami Kandar’s College, Velur – 638182, Namakkal for his guidance, encouragement and co-operation in completing the research work.

I am greatful to Dr. R. Somasundaram, M.D., President and Dr. K. Nedunchezhian, M.B.B.S., Vice-President of Kandaswami Kandar’s Trust, Velur – Namakkal for giving this opportunity.

I wish to place on record my sincere thanks to The Registrar, Periyar University, Salem-11 for permitting me to do Ph.D. on Part – Time basis.

It is my duty to express my thanks to University Grants Commission, Hyderabad for giving financial assistance (Minor Research Project Grant).

I would be failing in my duty if I do not acknowledge with gratitude the help rendered at both the academic and administrative levels and the keen interest in the project evinced by Major Dr. R. Arul, M.Sc., M.Phil., Ph.D., Principal, and Dr. S. Vedanayaki, M.Sc., M.Phil., Ph.D., Head, Department of Chemistry, Kandaswami Kandar’s College, Velur – Namakkal.

I am also thankful to my colleagues Dr. A. Sankar, M.Sc., M.Phil., Ph.D., Dr. N. Latha, M.Sc., M.Phil., Ph.D., and Mr. J.Prakash, M.Sc., M.Phil., Assistant Professors in Chemistry, Kandaswami Kandar’s College, Velur for rendering their help and encouragement throughout this project.

Dr. K. Nanda Kumar, M.Sc., M.Phil., Ph.D., Head, Mr. T. Nandakumaran, M.Sc., M.Phil., and Dr. K. Gowrisankar, M.Sc., M.Phil., Ph.D., Assistant Professors, Department of Botany, Kandaswami Kandar’s College, Velur, deserve a special word of thanks for their help in identifying the plants taken up for investigation.

I wholeheartedly thank Ms. S.Sindhu Jose, Scientist, Aurigine Ltd., Bangalore for helping in spectral interpretation.
I wish to record my thanks to Mr. Y. Vincentsagayaraj, ACIC Instrumentation center, St. Joesoh College, Tiruchirapalli for recording spectra.

I thank Dr. G. Ganesh M.Sc., Ph.D., Acme Progen Biotech (India) Pvt. Ltd. Salem-4 for carrying out the study of antimicrobial activity of isolates.

My discussion with Mr. A. Kathirvel, Research Scholar, Department of Chemistry, Periyar University, Salem -11 had been very stimulating and helpful in designing the antioxidant assay of the isolated compounds.

I thank Mr. S. Prasath, M.Sc., M.Ed., K. Ramar, M.Sc., B.Ed., M. Sivasankaran, M. Madhanraj and R. Devarajan for helping in various stages of this work.

I express my thanks to Mr. G. Markandan, Store Keeper (Retd.) and E. Periyasamy, Lab-Assistant, Department of Chemistry of my host college for their timely help in some experimental part.

My sincere thanks to all my family members for their prayer and support during the research period.

Above all, I thank the Almighty for all inscrutable means by which He has led to fruition of my efforts.

(K. MOHAN KUMAR)