ACKNOWLEDGEMENT

I express my deep sense of gratitude and heartfelt thanks and respect to my guide Dr. S. Meenakshi, Associate Professor, Department of Chemistry, Gandhigram Rural Institute, Gandhigram for suggesting the problem, giving invaluable guidance, her smooth approach, moral support, her motherly care and constant encouragement throughout my research work.

I wish to record my sincere thanks to Prof. (Dr.) N.S. Nagarajan, Head, Department of Chemistry, Gandhigram Rural Institute, for his constant encouragement, for giving facilities and timely help during my entire course of work.

I place on record my deep gratitude to the teaching and non-teaching staff members of Department of Chemistry, Gandhigram Rural Institute for their moral support and help during the course of my work.

I sincerely thank the Authorities of Gandhigram Rural Institute for the opportunity given to me to carry out my research in this esteemed Institute.

I would like to place my gratitude to the Management and the Principal of G.T.N Arts College, Dindigul and the Management of R.V.S College of Technology for the immense support provided by them during my research.

I extend my sincere thanks to the Head of the Department of Chemistry, G.T.N Arts College and my colleagues for their constant encouragement.

My whole hearted and sincere thanks go to my research colleagues Dr. N. Yiswanathan, Assistant professor in Chemistry, Anna University (Dindigul Campus), Dindigul, Dr. C. Sairam Sundaram, Assistant Professor in Chemistry,
Department of Science and Humanities, Karaikal Polytechnic College, Karaikal, Puducherry, Mr. M. Rajiv Gandhi, Ms. G. Kalaivani, and Ms. A. Sowmya Research Scholars, Department of Chemistry for their constant encouragement and valuable time spent for me to complete my research work.

I will be failing in my duty if I do not mention the endless moral support and assistance from my beloved and respected parents, father in-law and mother in-law, my husband Dr. M. Rajaram, Assistant Professor, Department of English, Government Arts College, Karur, who also helped me in the proof corrections of my research thesis, my daughter, brothers, brother in-law and all other members of my family and relatives. Their whole hearted support, loving care, concern and sacrifices made my dream a reality.

Above all, I thank the Almighty.

(G.N.KOUS ALY A)