ACKNOWLEDGEMENT

It is with great pleasure the author expresses her sincere thanks and gratitude to Dr. K. G. SEKAR, Associate Professor, Department of Chemistry, National College, Tiruchirappalli-620 001 for suggesting the problem and supervising the work. His constructive ideas and constant encouragement throughout the period of this investigation were immensely helpful. He has always been a source of inspiration.

The author expresses her thanks to Dr. K. LAKSHMANAN, Head of the Department of Chemistry, National College, Tiruchirappalli-620 001.

The author expresses her thanks to Dr. G. THIRUNARAYANAN, Assistant Professor, UGC-PDF, Department of Chemistry, Annamalai University, Annamalainagar-608 002 for his wholehearted interest and encouragement throughout my research work. His suggestions, fruitful discussions and constructive criticism have been helps me up in building up of this work, is the fulcrum of the thesis.

I am thankful to The Chairman Mr. JOTHIPRAKASAM@ MJF. Ln.Leo MUTHU, Saijothi Group of Institutions to give permission for doing my research work.

I am thankful to The PRINCIPAL, Sai jothi Polytechnic College, Madurai to give permission for doing my research work.

I am expressed the STAFF MEMBERS and my COLLEAGUES for their helps doing my research work.

I am thankful to Dr. V. SATHIYENDIRAN, Assistant Professor of Chemistry, Sourastra College, Madurai for his encouragement during the research work.

I wish to extend my sincere thanks to Mr. S. DINESH KUMAR, Research Scholar, Department of Chemistry, Annamalai University, Annamalainagar-608 002, Mr. R. SUNDARARAJAN and Mr. R. ARUL KUMARAN, Guest Lecturers, PG and Research Department of Chemistry, Government Arts College, C-Mutlur, Chidambaram-608 102 for their helps during the period of research work.

I am thankful to the VICE CHANCELLOR, REGISTRAR, CONTROLLER OF EXAMINATIONS, AND RESEARCH COORDINATOR, Manonmaniam Sundaranar University, for providing the opportunity to do this research.

I extend my sincere thanks to my Husband Mr. SURESH KUMAR for his invaluable help and affection.

Mrs. P. JANAKAI