ACKNOWLEDGEMENT

First and foremost, I thank the Almighty who has given me strength and knowledge to complete my research work.

I gratefully acknowledge and express my sincere and special thanks to untiring and invaluable guidance given by my guide Dr. A. Jafar Ahamed, PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli - 620 020, for his valuable guidance, constant encouragement and unfailing ready help.

I am very much thankful to the members of the Management Committee, Jamal Mohamed College, Tiruchirappalli - 620 020, for providing the laboratory facilities.

I express my sincere thanks to Dr. M. Sheik Mohamed, Principal, Jamal Mohamed College, Tiruchirappalli, for his support and encouragement.

I am thankful to Dr. K. Sithick Ali, Head, PG and Research Department of Chemistry, Jamal Mohamed College, for having encouraging me to complete my research work.

I am very much grateful to Dr. N. Balasubramanian, Former Professor of Chemistry, Bishop Heber College, Tiruchirappalli – 620 017, who is an inspiring source of knowledge and direction.

I am very highly indebted and thankful to my philosopher and Guru (late) Major K. Srinivasan, who is the source of great strength to me, to achieve the academic credit.
I duly acknowledge my indebtedness to Dr. P.S.M. Kannan, Former Professor and Head, PG and Research Department of Chemistry, AVVM, Sri Pushpam College (Autonomous) Poondi, Thanjavur – District for his initial guidance and suggestions.

I am thankful to Dr. D. Saravanan, Professor of Chemistry, Pavender Bharathidasan College Engineering and Technology, Tiruchirappalli – 620 024 for his valuable support and help.

I am also thankful to Dr. N. Kumarguru, Lecturer in Chemistry, Sudharsan Engineering College, Pudukkottai – 620 501 for his help.

I thank the staff members and fellow research scholars of PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli - 620 020 for their encouragement.

My thanks are due to my beloved parents, wife, son, daughter, brothers and friends for their patience during my course of work.

A. SIVARAJAN