ACKNOWLEDGEMENTS

It gives me immense pleasure to express my heartfelt gratitude and respect to my supervisor Prof. Mariappan Periasamy for his guidance and valuable advice throughout the tenure of my work. His untiring industry and constant encouragement always boosted my morale enabling me to give my investigation the present shape.

I offer my gratitude to Deans, Prof. P. S. Zacharias, Prof. M. Nagarajan and Prof. G. R. Desiraju, during my stay here, for providing all facilities to carry out my work.

I thank Prof. D. Basavaiah and Dr. B. G. Maiya and all other faculty members for their help and encouragement during the course of my work.

I am at loss of words to thank my colleagues Mr. K. N. Jayakumar, G. V. Karunakar and G. Srinivas for their help and extreme co-operation during my thesis work. I am indebted to my labmates. Messrs. L. Venkatraman, C. R. Ramanathan, C. Ramesh Kumar, T. Rajesh, Vutukuri Dhanna Rao, S. Sivakumar, N. Sampath Kumar, A. Mukkanti and M. Seenivasa Perumal, and Dr. M. Thirumalai Kumar for their very much co-operation and help whenever it was needed and their presence always created a friendly ambience in the laboratory. I thank my seniors Dr. U. Radhakrishnan, Dr. M. Rama Reddy, Dr. M. Lakhsmi Narayana Rao, Dr. A. S. Bhanu Prasad, Dr. J. V. Bhaskar Kanth, Dr. Ch. Kishan Reddy.

No pages will be enough to mention my 'sea of friends' who have shown a lot of caring, love and affection which made my stay here as a pleasant and memorable one, and I thank all of them. All the Research Scholars in the School of Chemistry have been extremely helpful and I thank them all.

I wish to place on record my heartfelt thanks to my teachers Mr. Hameed Dawood, H. K. K Ibrahim Ali Hr. Sec. School, Pudur, Dr. S. Liakath Ali Khan, Capt. H. Nousadh Ali, Mr. A. Ahmed, Dr. Zakir Hussain College, Ilayangudi, Dr. P. Mohan, The American College, Madurai, for their caring and encouragement throughout my academic carrier.
All the non-teaching staff of the School have been extremely helpful, I thank them all. Messers. S. Satyanarayana, V. Bhaskar Rao, K. R. B. V. Prasad, Shetty, Ragavaiah, Venkata Ramana, Rangiah, Santhosh, Mrs. Vijaya Lakshmi and Mrs. Asia Parwez are a few to mention.

My sincere thanks are due to the authorities of University of Hyderabad for providing all the necessary facilities for this work.

My words fail to express my indebtedness to my family members, my teachers and relatives. Without their constant support and inspiration it would have been impossible for me to be where I am at present.

Financial Assistance from the University Grants Conmission is gratefully acknowledged. I thank the M/s. Gerchem Labs. (Pvt.) Ltd., for partial support.

I close with thanks giving to Almighty for the Showers of Blessing during the hours of trial.

P. Bharathi