ACKNOWLEDGEMENTS

I offer my obeisance to the almighty of Lord Venkateswara for completing my studies successfully and present this piece of work for which I am extremely indebted.

It gives me immense pleasure to express my deep sense of reverence, respect and gratitude to my research supervisor Prof. K. Subramanyam Reddy, for his cool headed, well-balanced heraldic advocacy, constant co-operation, careful observation, unfailing commitment, and valuable suggestions in finalizing this research work to a successful one. His humane as well as humanitarian treatment in the stormy situations upgraded me a lot for the fulfillment of the target. I consider myself very fortunate in that, it would have been impossible to achieve this goal without his support.

I owe a great debt of gratitude to Prof. D. Gunasekhar, Head, Dept. of Chemistry, S.V. University, Tirupati, for his timely advice, constant encouragement and for providing necessary facilities required for the work. I wish to express my deep sense of gratitude to the former Heads of the Chemistry Dept. Prof. S. Jayarama Reddy (VC), Prof. M.V. Prabhakar Rao (BOS) for their kind cooperation.

It gives me immense pleasure to express my sincere gratitude and respect to Prof. A. Krishnaiah, Prof. P. Chiranjevi, Prof. V. Varada Reddy, Prof. K. Seshalak and Associate Professors; C. Suresh Reddy, P. Venkateswarlu, C. Venkata Rao, N. Y. Sreedhar, N. Venkata Subba Naidu, V. Padmavathi, Padmaja, Naga Raju and other staff members for their encouragement, Kind Cooperation and timely help.

I pay rich tributes to Prof. C. Subbarami Reddy, for his kind, helpful discussions during my research work. With respectful regards and immense pleasure I express my profound sense of gratitude to Prof. G. Rama Krishna Naidu, for his constant encouragement. I wish to express my sincere thanks to Asst. Prof. T. Damodharam for his valuable suggestions.
I express a special word of thanks to my labmate TVM. Sreekanth and Rajasekhar for their kind cooperation.

It gives me immense pleasure to express my deep sense of reverence and gratitude to S.K. Lateef, D.R.C. Venkata Subbaiah, S. Kalyani, D. Gayatri, R. Swapna, P. Sreevani, Sivani and G. Venkatalakshmi for their timely help and valuable suggestions.

I owe more than myself to my beloved husband Mr. G. Jayachandra Reddy, children G. Jaihind Reddy, G. Jaisindh Reddy and parents P. Narayana Reddy, P. Venkatamma, who always dreamt that I reach golden heights. I am deeply grateful to my sisters; P. Jayalakshmi, P. Savithri and brothers; P. Veera Narayana Reddy, P. Vijaya Bhaskar Reddy for their affectionate encouragement and support from time to time.

I am very much thankful to my friends and colleagues for their kind cooperation.

P. TULASAMMA