ACKNOWLEDGEMENTS

I express my deep sense of gratitude and indebtedness to Dr. A. Abdul Jameel, M.Sc., M.Phil, P.G.D.C.A., Ph.D., FICS., Dean of Science Faculties, Associate Professor and Head, Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, for his creditness, unencumbered, exemplary guidance, indefatigable strenuous efforts to steer the work in the right direction and encouragement extended to me throughout the tenure of this research work.

I sincerely thank the Management, Principal and all the Staff members of the Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, for their valuable help and kind co-operation for the successful completion of this thesis.

I am thankful to Dr. T. Jeyaraj, Lecturer, Department of Chemistry, Jamal Mohamed College and Formerly Associate Professor, Department of Chemistry, Bishop Heber College, Tiruchirappalli, for his suggestions and help for writing the thesis.

My special thanks to P.V. Krupakara, Head, Department of Chemistry, Auden Technology and Management Academy, Bangalore, for the encouragement and support during the period of my research work.

I wish to thank Dr. Shashi shekhar T.R., Assistant professor, Department of Chemistry, East West Institute of Technology, Bangalore, for his words of inspiration and suggestions during my work and writing thesis.

I am thankful to the Management, Principal and all my colleagues of the Department of Chemistry, East West Institute of Technology, Bangalore, for all the help they offered during my work.
Finally I express my deep gratitude to my wife **Tejaswini**, my little son **Nagatej**, beloved parents and relatives for their tolerance, understanding and constant support and for bearing all the inconvenience during this work.

I indebtedly express my gratitude towards all those who have helped me in bringing this thesis to this shape. However, it will be very difficult to mention everyone. I remain grateful to all those who helped in collecting literature, conducting experiments, writing the thesis.

Again, many thanks to all of you. The errors however are all mine.

**Nagaswarupa H.P.**