## **ACKNOWLEDGEMENTS**

I express my deep gratitude's to my research guide **Dr. S. Radhakrishnan**, for it was he who introduced me to the world of Conducting Polymers. I thank him for his constant inspiration and useful suggestions apart from his invaluable guidance. The scientific discussions on the subject were most useful in understanding the subject and were helpful in broadening my outlook. This task would have been a dream, without his constant encouragement and valuable suggestions.

I am grateful to the Director, National Chemical Laboratory, Pune for permitting me to carry out this research work. My sincere thanks to Dr. B.D. Kulkarni, the Head of Chemical Engineering division, N.C.L.

I am thankful to various people in Special Instruments Laboratory, NCL for their kind help in characterization technique. I am also thankful to Mr. G.T.Mane and Mr. P.B.Kulkarni for sketching nice figures for my thesis work.

I wish my sincere thanks to my entire lab colleague and wish to thank specially to Mrs. Swati Panse, Miss C. Saujanya, Mr. P.M. Somani, Mr. Prasad Taranekar, Mr. P.M. Sonar and Mr. M.P. Raut for their outstanding co-operation during entire work period.

I would be doing great injustice if I do not express my heart-felt gratitude to my wife and my other family members, for their constant support and motivation.

S.D.DESHPANDE