ACKNOWLEDGEMENTS

This thesis arose in part out of years of research that has been done since I came to Tumkur University. I have been fortunate enough to have the support of so many people, without which this would not have been possible. It is a pleasure to convey my gratitude to them all in my humble acknowledgement.

First, last and always, I would like to record my gratitude to Dr. Aruna Kumar D. B., who shared his wisdom, observed my faults with his wise patience, seeing the best in me there was to see. I thank him for inspiration and encouragement throughout this work.

I would gratefully acknowledge Department of Science and Technology, New Delhi, Government of India for providing financial assistance under the DST FAST TRACK [SR/FT/CS-81/2010 (G)] project scheme.

I sincerely acknowledge my deepest gratitude to Honorable Vice Chancellor Prof. Jayasheela, Registrar Prof. B.S. Gunjal and Registrar (Evaluation) Prof. D.V. Paramashivamurthy, Tumkur University, Tumakuru for their support and encouragement in carrying out research work successfully.

I sincerely acknowledge my deepest gratitude to Former Vice Chancellors Dr. S.C. Sharma and Prof. A. H. Rajasab and Former Registrars Prof. Venkateshwaraulu and Prof. D. Shivalingaiah, Tumkur University, Tumakuru for their support and encouragement in carrying out research work successfully.

I am grateful to Dr. S. Sreenivasa, Director-Research and Associate Professor, Department of Studies and Research in Chemistry, Tumkur University, Tumakuru, for his practical advice, encouraging comments and support during all these years.
I am grateful to Dr. Shet Prakash M, Co-ordinator, Department of Studies and Research in Chemistry and Dr. H. Y. Esawara, Principal, University College of Science, Tumkur University, Tumakuru for their encouraging comments and support during all these years.

I also thankful to all teaching and non-teaching staff of Department of Studies and Research in Chemistry, University College of Science, Tumkur University, Tumakuru, for their support for the completion of my research work according to guidelines.

I would like to offer special thanks to H. R. Rajegowda, B. Ravikiran, Dr. N. R. Mohan, K.E. Manojkumar, C. E. Satheesh, G. Ramesh, P.P. Shinojkumar, C. Pradeepkumar, Venkataramana and Nivedita R Desai for their kindness in sharing their great knowledge in chemistry and for their inspiring presence.

I would like to thank Sapal Organics Pvt Ltd for recording FTIR, NMR and Mass spectral analysis.

Deepest of all acknowledgements goes to my mother Mrs. S. Sudharathna, father Mr. K. Gurunathan and beloved brother Mr. G. Srikanth for their patience, encouragement and moral support helped me to complete my research work.

I wish to thank my friends who inspired me with their quick thinking and timely valuable help in completing the thesis.

I sincerely thank each and every person who has directly or indirectly helped me during my research work.

(G. Krishnaswamy)