

## ACKNOWLEDGEMENTS

*I am grateful to many people, for both direct and indirect help, in completing this research and writing this thesis. I would like to extend my appreciation especially to the following.*

*It gives me great pleasure and pride to express my deep sense of gratitude to my supervisors **Dr. Y.S.S. Ganesh**, and Professor **Dr. K. B. Chandrasekhar**, my Research Supervisor and Co-Supervisor respectively, for their constant guidance and encouragement throughout the work.*

*I am indebted to **Dr. Vilas Dahanukar**, Vice President, Chief Scientist (Process Chemistry), for giving me an opportunity to upgrade my academic qualifications leading to a Ph.D. degree.*

*I am also indebted to **Dr. H. Rama Mohan** and senior management team of Custom Pharmaceutical Services, Dr. Reddy's Laboratories Limited, for their kind cooperation and encouragement.*

*I sincerely thank **Dr. Manojit pal** for his valuable suggestions during my research work and in writing manuscripts.*

*I sincerely thank all the colleagues of Process R&D department for their support in providing required chemicals when needed.*

*It is pleasure to acknowledge the support extended by colleagues in Analytical Research Department and Human Resource Management of Custom Pharmaceutical Services, Dr. Reddy's Laboratories Limited.*

*There have certainly been a number of people who deserve my gratitude for their assistance and support during my Ph. D period here in the Dr. Reddy's Laboratories.*

*Everyone that I have had the pleasure of interacting with during my research period at CPS has contributed to this document in some form. Although some people may be omitted, I am truly thankful to all of you.*

*This thesis would not have seen the light of the day without the blessings of my parents Sri. **D. Govind Reddy**, Smt. **D. Shakunthamma** and my brother **D. Venkateshwar Reddy**.*

*It would not have been possible to complete the thesis work without the support and patience of my wife smt. **K. Snehitha** my daughter **D. Sudhiksha** and all my family members for their endless love, prayers and encouragement.*

***D.Naresh Kumar Reddy***