ACKNOWLEDGEMENTS

I express my deep sense of gratitude, appreciation and indebtedness to my research supervisor Prof. A.Varada Rajulu, Chairman, Board of Studies, Department of Polymer Science & Technology, S.K.University, Anantapur, India, for his valuable guidance. His sincere interest, continuous encouragement, constructive criticism, support and generosity during the research work have helped me in completing the thesis.

I sincerely thank the staff of Department of Polymer Science and Technology, S.K.University, Anantapur for extending facilities to do research and for their co-operation in completing this work.

I am thankful to Prof. G.M.Shashidhara, and Dr. Siddaramaiah, S.J.College of Engineering, Mysore, for their help during the course of study.

I express my sincere thanks to Dr.B.S.R.Reddy, Dr.T.N.Swamy of CLRI,Chennai, and Dr.B.V.Rao, Dr.Shakunthala, IICT, Hyderabad for their help.

I would like to thank my research colleagues Dr. R.L.N.Reddy, Mr. G.Babu Rao and Miss. L.Ganga Devi for their help and co-operation in completing this work.

I acknowledge my sincere thanks to Mr. Venkata Raman and Mr. Mohan Iyer for their help.

My sincere thanks are due to Smt. & Sri. E.B.N. Naidu, Smt. & Sri. S. Sudhakar Reddy and my daughter Chi. Sai Vijetha for their encouragement during the course of this work.

Finally I thank one and all who helped me directly and indirectly in the completion of this work.

JITHENDRA BALAJI.PERUGU