ACKNOWLEDGEMENTS

I am deeply indebted to my supervisor Prof. B. Sashidhar Rao, Department of Biochemistry, Osmania University, Hyderabad, for his continuous support, always there to listen and to give advice, whose help, stimulating suggestions and encouragement helped me through out my research work and in writing this thesis.

I would like to express my gratitude to Prof. K. Sambasiva Rao, Co-ordinator, Department of Biotechnology, Acharya Nagarjuna University, Guntur, for his constant help and unflinching support.

I express my sincere thanks to Dr. D B Patankar, CSO, R&D; Dr. Rustom Mody, CEO, Quality and Dr. Kashmira Pagadiwala, Director, HRD, INTAS Biopharmaceuticals Ltd., Ahmedabad, for having permitted me to carry out the work and providing me the necessary facilities.

I would like to convey my sincere thanks to Dr. Sushobhan Das, Head, Department of Biocharacterization, INTAS Biopharmaceuticals Ltd., Ahmedabad, for his timely help rendered whenever approached and immense interest in the successful completion of this work.

A very special thanks to my spouse (Prabhavathy Munagala), for her continuous support.

(Sreedhar Reddy Sappidi)