ACKNOWLEDGEMENTS

I take this opportunity to express my deep sense of gratitude to my Research Supervisor, Prof. K. Lakshmi Devi, Chairperson, BOS, Department of Biochemistry, Sri Krishnadevaraya University, Anantapur for always being available to answer questions and to make valuable suggestions, and who encouraged throughout the course of investigation.

I extend my sincerest thanks to the staff members of the department of Prof. P. Ramakrishna Rao (Rtd.), Prof. D. Saralakumari, Prof. N. Ch. Varadacharyulu and Prof. C. Suresh Kumar.

I express my gratitude to the Management of Dayanandasagar Institutions and Principal and Staff members of DSCBS, Bangalore, for providing necessary facilities and constant support to carryout this research work and allowing me to make use of the available literature and lab facilities.

A very special thanks to Librarians of IISc, St. John’s Medical College, NCBS and TIFR Bangalore; NIN, CCMB, Hyderabad.

Without the encouragement and participation of many people this work would never have accomplished. My personal and very deep appreciation goes to each of the extending hands and helping hearts. Prof. C.S.Shymala Devi, Prof. P.B.B.N.Charyulu, Dr. Philip, Dr. Venkatappa, Dr. Raja Sekar Reddy, Dr. Ramanjaneyulu, Prof. K. Radhakrishnaiah, Prof. R.V. Raju, Dr. C. Sudhakar, Prof. Indira, Prof. T. Pullaiah, Dr. R. Baskar, Dr. V. Domadara Reddy, Dr. Khaja Mohiddin, Dr. N.K.Cholan, Dr. Jayakumar, Dr. P. Chandra Obula Reddy, Dr. Venkata Raimam, Dr. Chakradhar, Dr. Gopi Krishna, Dr. P. Suresh Babu, Dr. K.V.Ramesh, Prof. M.R.Delvi, Dr. Kuranji, Dr. Kusum Ramachandran, Dr. Tippaiah Swamy, Dr. Kiran Kumar, Dr. Venkata Narayana, Dr. K. Rameshwara Reddy, Dr. Subash Chandra, Dr. Suresh Babu Naidu, Dr. Vijaya Bharathi, Dr. M. Narendera, Mr. Venkateswara Swamy, Mr. Mr. Elisha Raju, Mr. Emmanuel Paul, Mr. Aleem Basha,
Dr. R. Karuna, Mrs. V. Padmavathi, Mr. Murlidhar Reddy, Miss G. Kavitha, Mr. Babajan, Mr. Rajasekhar, Mr. Bhimesh, Mr. Sudhakar, Mr. P.V. Krishna Reddy, Mr. Ramesh, Mrs. Harathi, Miss. Haritha and Miss. Chaitanya.

I wish to express my thanks to co-research scholars Mr. M. Abdul Kareem, Mr. K. Sreenivasa Reddy, Mr. S. Altaf Hussain and Miss. K. Shylaja, for their valuable support, cooperation, an inexpensible help which made it possible for me to complete this thesis.

I sincerely extend my heartful thanks to my best friends V. Phaneendra Babu, P.E. Sreenivasulu, R. Hari Krishna, A. Tarakeshwar, A.B. Chaitanya, Dr. Harshavardhan Dora, B. Ranganayakulu, P. Gangadhar, C. Kiran Kumar Reddy and Mr. Satyan.

I am indebted to my parents Sri Gadham Setty Poli Setty, Smt. Gadham Setty Saraswathamma, and my brother Mr. G. Sai Thulasi Ram, Mr. G. Madhusudhan Setty and Family, Mr. G. Raja Mohan and Family, loving Sister's G. Vijaya Bharathi and Family, M. Jayalakshmi (Late) and Family, M. Sulochana and Family and T. Dhana Lakshmi and Family, for their adorable encouragement during this study.

Last but not least to my deepest thanks to my better half Jyotshna Lakshmi and my cheerful son Master Sai Charantej and Father-in-laws family for their encouragement and support.

Make an effort over a long period can be successful only with advice and support of my many well wishers. I take this opportunity to express my gratitude to all of them.

. . . . . . . (G. Saayi Krushna.)