ACKNOWLEDGEMENTS

I deem it a great pleasure to convey my sincere and heartful thanks to my renowned Research Supervisor, Asst.Prof. V. Venkata Rathnamma, Department of Zoology and Aquaculture, Acharya Nagarjuna University for suggesting this topic, for her invaluable guidance, keen academic interest and constant encouragement throughout the course of this investigation. It is a privilege to be a Research student under her, expert and conscientious guidance in the field of Aquatic toxicology.

I deem it a great pleasure to express my deep sense of gratitude to Dr. K.VEERAIAH, Head, Department of Zoology and Aquaculture, Acharya Nagarjuna University for his valuable guidance, constant encouragement at every stage throughout this work.

My sincere thanks to Prof. V. Viveka Vardhani, Prof. Y. Ranga Reddy (Emeritus), Prof. K.S.Tilak (Rtd), Prof. S.V.Sharma (Rtd), Prof. K.R.S.Sambasiva Rao, Chairman, Board of Studies in Zoology & Aquaculture, Dr. P.Padmavathi, Dr. P.V.Krishna, Dr. G.Simhachalam, Dr. K.Sumanth Kumar, Dr. K.Suneetha, Dr. M.Jagadesh Naik and Dr. N. Gopala Rao, for their moral support.

I express my heartfelt thanks to Vivek Chintada (Gandredu) for his valuable support in computing this work.

Samba, Satesh, Madhu, Ravi Babu, Tata Rao, Tataji, Venkanna, somayya, Kalyan, Shabuddhin for their assistance in completing practical part of this work.

I express my special thanks to Bunny, G D K V Sudhakar babu, K Subba Rao, Sarath babu G, Mohan babu ch for their cooperation and support.

A special note of thanks to all non teaching staff of Zoology and Aquaculture Department particularly M. Srinivasa Reddy, Brahamma Reddy, Satyanarayana, Malleswari, Munni and Bhaskara Reddy for their cooperation and support.

I express my special cardial thanks to my family members Sangeetha Rao, Nagendramma, Rajeswari P and Prem Prabakar P, Manikya Rao, Bhushanam, Rajeswari, Kavitha, Sarika, Sangeeth.

P.MARIYA DASU