ACKNOWLEDGEMENT

I owe a deep debt of gratitude to Dr. H.S.Yathirajan, Ph.D., Professor of Chemistry, Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore, for having taken keen interest in guiding me at all stages in the course of my experimental investigations, theoretical studies, discussion and during the preparation of this thesis.

I am highly grateful to Prof. B. Narayana Achar, Professor and Chairman of the Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore, for providing me the necessary facilities for my research work.

I wish to express my sincere thanks to Prof. K. S. Rangappa for his kind help and encouragement.

I am extremely grateful to Dr. Michael Bolte, Germany, Dr. Ray Butcher, USA and Dr. William Harrison, UK for their invaluable help, throughout my studies.

I wish to express my sincere thanks to Dr. T. Narasimha Murthy, IISc and Dr. R. Rathore, IISc, for their guidance and encouragement throughout my studies.

I am highly grateful to Dr. B. Narayana, Reader in Chemistry, Mangalore University, Mangalagangotri, for his help in some of the synthetic investigations.

I am highly grateful to Dr. P. Nagaraja, Prof. K. M. L. Rai, Prof. S. Akheel Ahmed, Dr. S. Anand and Dr. Y. B. Basavaraju, for their encouragement and helpful discussions.

My sincere thanks are also due to Dr. B. Prabhuswamy, Sri S. Gaonkar and Dr. Sadashiva Murthy for their timely help.

I thank my research colleagues Sri B. Nagaraj, Sri R. S. Narase Gowda and Dr. C. R. Raju, for their valuable support and help during the course of this work. I also thank them for the diligent type setting of the thesis.
I express my sincere thanks to Sri B.M. Vishakantegowda, Sri Shivalingaih, Sri Raju, Sri Thirumala Swamy and Smt. Arathi for their cooperation during my research work.

I also thank and remember with gratitude the family members of Prof. H.S. Yathirajan for their moral support extended to me during all stages of my research work.

I am grateful to my father H.C. Gopal Gowda, mother Vishalakshi, sister Ashwini, brother-in-law Rajendra and relatives for their moral support and encouragement.

I wish to express my gratitude to the faculty members, non-teaching staff, research scholars of the DOS in Chemistry, Manasagangotri, Mysore-6.

It is pleasure to express my gratitude to all research scholars, Dr. K.S. Lokesh, Dr. P. Nagegowda, T.M. Mohan Kumar, B.L. Bhaskara, M.P. Sadashiva, T.R. Divakara, Arun Kumar, B.C. Somashekar, Sachhi, Narendra, Hema Kumar, Satisha, Devaraju, Harsha, Venu, Sunil, Benaka, Thimmegowda, Ananda, Naveen, Prasad, Yogendra, Ashok for their timely cooperation.

I remember the help rendered by Dr. B.M. Mohan, Director, Forensic Science Laboratory, Bangalore.

DOS in Chemistry
University of Mysore
Manasagangotri
Mysore-570 006

H. G. ANILKUMAR

Date: