Acknowledgements

First and foremost, I thank God Almighty for giving me the mental and physical strength to accomplish this research work.

I am most grateful to my research guide Dr. H.D. Revanasiddappa, Reader in Chemistry, Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore, for his invaluable guidance, patience, interest and encouragement throughout the entire course of my research work.

I wish to express my sincere thanks to Prof. P.G. Ramappa for his inspiration and encouragement to carry out this research work.

I owe my special thanks to Dr. T.N. Kiran Kumar, Reader in Chemistry, Maharani’s Science College for Women, Mysore, for his suggestions, invaluable help and constant encouragement throughout.

It gives me pleasure to thank Prof. N. Balasubramanian, I.I.T., Chennai, for his discussions, suggestions and help in carrying out the research work.

I am highly indebted to University Grants Commission, SWRO, Bangalore for the award of Teacher Fellowship under the Faculty Improvement Programme of UGC (X Plan).

I am grateful to the Department of Collegiate Education, Government of Karnataka, Bangalore and Government College for Boys, Mandya, for enabling me to pursue the research work under F.I.P. of UGC X plan. I also extend my thanks to College Development Council, University of Mysore, Mysore, for its role in awarding Teacher Fellowship.

I am indebted to University of Mysore, Mysore, for providing me all the necessary facilities to carry out the research work.

I would like to express my sincere thanks to Prof. Rangaswamy, Prof. Syed Akheel Ahmed, Prof. B.N. Achar, Prof. K.S. Rangappa, Prof. Nagendrappa, Prof. Channegowda, Prof. Yathirajan, Prof. Lokanath Rai, Dr. K. Basavaiah, Dr. P. Nagaraja, Dr. S. Shashikanth, Dr. Anand, Dr. Basavaraj, Dr. Nagaraja Naik and Dr. K.N. Mohana of Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore for their wishes and co-operation.

I am very much thankful to Mr. Srinivasaiah, Mrs. Anusuyamma and Mr. Muddaiah for their co-operation in the laboratory. I also extend my thanks to office staff of the department for their co-operation during my stay in the department.
I gratefully acknowledge the help of Dr. K.S. Lokesh (I.I.Sc., Bangalore), Dr. Shivakumar (I.I.Sc., Bangalore), Dr. B. Vijaya (UBDT Engg. College, Davanagere), Dr. B. Manju (A.I.T., Bellur), Dr. Ramesh Baba (Research Awardee, DOS in Chemistry), and Teacher Fellow colleague Mahadevaiah.


I acknowledge with thanks the kind permission given by Sri. Mahakuteshwar, Head, FOSTIS, CFTRI, Mysore, to access the library facilities.

Thanks are due to M/s Pai and Pai Chemicals, Bangalore, for providing industrial effluents and other samples for my research work.

I am thankful for the close rapport and professional help of my young co-researchers Mrs. Veena, Mr. Puttaiah, Mr. Shivakumar, Ms. Dhanya (M.Phil student), Mr. Mohan Kumar, Mr. Ashok, Mr. Sadashiva, Mr. Bhaskar, Mr. Yogendra Kumar, Mr. Arun, Mr. Venu, Mr. Abhiraj, and others.

I express heartfelt thanks to my teacher colleagues Mr. Keshavachar and B. Manjunath who helped me to get a transfer to Mandya and to get registered as a part-time researcher in the University of Mysore. I extend my thanks to Dr. C.K. Vishwanath, Prof. M. Shiavarame Gowda, Dr. B.C. Chennu, Dr. Rame Gowda, Dr. Srinivas, Mr. D. Ramesh, Prof. N. Subrahmanya and other colleagues for their wishes and encouragement.

I am thankful to my friends Anand Raje Urs and Vasanth Raje Urs, Banagalore, for designing of the thesis cover page.

I recall with love and fervent gratitude, inspiration, support and constant encouragement given to me by my beloved mother Smt. Deviramma and father Sri. Puttappa Shetty. My immense gratitude towards them cannot be put in words. I also extend my gratitude to my brother, sisters, brothers-in-law, sisters-in-law and in-laws for their wishes and moral support.

My beloved wife H.S. Prema has been the strongest supporter during this research tenure. My lovely daughter Shreya D. Nanda has been a source of joy and inspiration. Their incredible understanding and patience helped me to devote myself on this investigation. Thanks, thanks, thanks!

B.P. Dayananda