

## ACKNOWLEDGEMENT

I would like to place on record my highest and sincerest feelings of gratitude to my guide Dr. R.N. Ram, Department of Chemistry, M.S. University of Baroda, Baroda for invaluable guidance, suggestions and critical comments at all stages of my work. It is his generous encouragement, inspiration and interest that helped me a lot to continue and complete the study.

I am greatly indebted to Prof. A.C. Shah, Head, Department of Chemistry, M.S. University of Baroda, for providing adequate laboratory facilities and guidance throughout the course of study.

I owe my special debt and gratitude to Prof. P.K. Bhattacharya, Department of Chemistry for his valuable suggestions and spontaneous co-operation not only for research work but also for other problems I faced as a foreign student in India.

I am at a loss of words to convey my humble and heartfelt thanks and obligations in signifying Dr. B.V. Kamath, Department of Chemistry, for his enthusiastic approach and thought provoking discussions and guidance, which enabled me to complete this work to a success.

It is my great privilege to express my gratitude to Prof. A.K. Rakshit and Dr. Surekha Devi for their valuable advice, and for kind and sympathetic feeling for me.

Thanks are due to Mrs. Sushila Amin for UV - Vis and Reflectance spectra.

I also wish to thank research scholars, teaching and non teaching staff of the Chemistry department for their moral support and kind co-operation.

I am personally thankful to my colleagues and friends Mr. Jatin N. Shah, Mr. Jacob John, Mr. Shailesh Shah, Mr. Mukesh Upadhyay, Mr. T.O. Varghese, Miss. Bina Shah, Ms. Puspa Patel, Mr. Roychen Joseph, Miss. Veena Vangani, Mr. Atul Raja for their help and friendship.

I am very much thankful to my Bangladeshi friends Dr. M. Azizur Rahman, Mr. S.M. Ashfaq Hossain, Mr. A.K.M Asaduzzaman, Mr. Q.A. Riaz, Mr. M. Atiquzzaman, Mr. M. Azharul Islam for their help and moral supports in Baroda.


I owe my indebtedness to the authority of the library of M.S. University of Baroda and Gulbarga University, Karnataka, to allow me to use their library facilities.

I am grateful to Dr. D.T. Gokak and Mr. Bosco Amal, IPCI, Baroda for providing surface area of adsorbents.

I am highly obliged and grateful to the Government of India for providing me the scholarship and to the Government of Peoples' Republic of Bangladesh for granting deputation which enabled me to carry out research in India.

Finally, I am expressing my deepest regards and veneration to my brother Mr. Jalaluddin who has always encouraged me for higher education and it is his inspiration that helped me to reach upto the present position.

Last, but not the least I must acknowledge the sacrifice and contribution of my wife Mrs. Salma Ahmed througout my stay in India. I further remember passionately my beloved daughter Kimiya Sultana (Tanni) who had been starving from my love and affection due to my long separation.

  
(MD. NURUDDIN AHMED)