ACKNOWLEDGEMENT

I express my deep sense of gratitude and profound indebtedness to Prof. A. M. Talati, former Head, Applied Chemistry Department, Faculty of Technology and Engineering M.S.University of Baroda for his keen interest throughout my research work. His inspiring guidance, valuable suggestions and the constant encouragement, have always been a source of inspiration to me.

I am thankful to Dr. J. M. Lohar, Professor and Head, Applied Chemistry Department, Faculty of Technology and Engineering, for offering all necessary facilities and encouragement.

It is my pleasent duty to thank Mr. Vijay Dhimar for his kind cooperation and cheerful company. I am grateful to my laboratory colleauges Miss Deoyani Chaudhary, Mr. Sanjay Mehta, Mr. R. N. Trivedi for their cooperation, regard and sympathy during my research work. It is a pleasure to acknowledge the friendly assistance rendered by Mr. D. P. Bharambe, Mr. H. K. Mahajan, Mr. A. K. Nehate, Shri G. G. Talele, Dr. O. H. Mahajan, Dr. N. A. Patil, Dr. Sanjay Patil and Mr. Ajay Shah who helped me during the preparation of manuscript.

I am also thankful to the staff members and all fellow research workers of Applied Chemistry Department for their kind help during the progress of the research

work. I am thankful to Head, Chemistry Department,
Faculty of Science, Dr. S. S. Lele and Shri S. L. Patel
for their help in the analyses of the samples.

I also wish to express my deep thanks to Dr_*K_* P. Dhake for his kind help and encouragement throughout this work.

I humbly record the profound sense of reverance to my beloved parants for their deep affection and blessings. I am also unable to express indebtedness to my brother Prakash, and his wife Mangala.

Lastly, I must not forget my wife, Pratibha without whose encouragement and help, I would not have completed this work.

(B. N. NARKHEDE)