ACKNOWLEDGEMENT

I am highly indebted to my supervisor Dr. R.N. Singh, Reader, Department of Chemistry, S.G.R.P.G. College, Dobhi, Jaunpur for his leasened guidance, valuable suggestions and encouragement invariably at every stage of the present work.

I am highly grateful to Dr. Praveen Kumar Singh, Principal and Dr. N.B. Singh, Reader and Head, Department of Chemistry, S.G.R.P.G. College, Dobhi, Jaunpur for their kind support towards laboratory facilities.

I am sincerely thankful to Dr. R.K. Asthana, Dr. Ghanshyam Ozha, Department of Chemistry, R.S.K.D. College, Jaunpur and Dr. Mazhar Mehdi, Shiya College, Lucknow for their valuable help, guidance, co-operation and encouragement throughout the period of entire work.

I owe my special thanks to Late Dr. S.K. Srivastava, Principal, Rahul Degree College, Serawan, Jaunpur and Dr. Vimal Kumar Srivastava, Lecturer, Department of Chemistry, T.D.P.G. College, Jaunpur for technical support during my research work.
I adore with full reverence the inspiration and assistance of my parent Dr. G.C. Singh, Reader, Department of Zoology and Smt. Indu Singh who virtually devotedly pursued me to achieve this goal.

Lastly, I should not forget the moral support and constant encouragement of my parent in laws Sri R.P. Singh and Smt. Kamala Singh, husband Dr. R.K. Singh, M.O. Uttarakhand, Dr. Rajeev Singh and his wife Smt. Uma Singh, my nephew Parth, Sisters Dr. Shavy Singh, Smt. Shradha Singh and Er. Shubrata Singh brother Er. Shatru Mardan Singh, M.B.A. and lastely to my son Rewant and daughter Satakshi. I would also like to thank to my friends Mrs. Babita Singh and Mr. A.K. Singh for their co-operation.

Finally, so many thanks to Mr. Jyoti Prakash of JSR INFO, Civil Lines, Jaunpur for giving the shape to the thesis through computer typing.

(Smt. Satybhama Singh)
M.Sc. (Chemistry)