ACKNOWLEDGEMENT

Success is the progressive realization of a worthy goal. Success and happiness go hand in hand. Success is getting what you want and happiness wants what you get! I owe this privilege to the Almighty for making it possible to accomplish my goals.

Anyone can “Start”, but only thorough-bred will “Finish”. I emphatically owe my profound gratitude to my Supervisors, Prof. Naheed Banu and Prof. Shamim Ahmad, who were very kind and co-operative through the period of this undertaking. Their judicious guidance, innovative ideas, spotless suggestion and constant encouragement is duly acknowledged in scripting this holograph.

I owe my deep sense of gratitude towards Prof. S.M. Hadi, Chairman, Department of Biochemistry and Prof. M. Shukla, Director, Institute of Ophthalmology for providing needful help and sagacious guidance.

I am yet to find suitable words to express heartiest thanks to Dr. Gayatri Arakere from IISc, Bangalore, Dr. V.K. Verma from M.A.M.C. New Delhi and Dr. A.K. Verma of U.H.F.Solan H.P. for their ever helping attitude, valuable suggestions and impeccable decisions during the course of this study.

Thanks are also due to Dr. Aabida Malik, Department of Microbiology, J.N. Medical College A.M.U. Aligarh, for her spontaneous help during the conduct of research.

Nothing great is ever achieved without enthusiasm”. Enthusiasm, inspires confidence, raises morale, builds loyalty and is priceless, which I received from the companionship of my friends: Adnan, Munawvar, Tabrez, Faisal, Gaznavi Idris, Javid Dar, Anil Verma, Akram Wali, Rajbhir Singh, Rajkesh Rana, Subhash Medhi, Sajjad Ahmad, Zubair, Farhan Khan, Asim Khan, Sabir Khan, Ritanch Datta, Dheeraj Tanwar, Hammad, Nadeem, Aradhana Bhargava, Ragini Gupta and many more who made my work a nice cool cake-walk. I really appreciate the reminiscence of love and affection bestowed upon me by them. I also express my heartiest thanks to all my seniors: Dr. Rameshwar, Dr. Ejaz Wani, Dr. Pervaiz Khan, Dr. Zia Siddique, and many more for their abiding interest and timely help.

I sincerely acknowledge the co-operation and assistance extended by official and laboratory staff of Department of Biochemistry and Ophthalmology especially Meerajuddin, and Shakeel Ahmad, during my study and research work.

Finally, my all efforts are animated, only because of my parents and loving sisters Shavana, Shakira and Sabira. Without their favourable anchor my present endeavour would not have been successful. They definitely went all out to attach this feather in my cap.

(Mohd. Azhar Khan)