ACKNOWLEDGEMENTS

Allah, the almighty is acknowledged the most for blessing me with courage, zest, dedication & determination. He infused me with the strength & concentration to embark on & accomplish the research work successfully. All praises be to him, the almighty Allah.

It was not only an opportunity but also a blessing to complete this dissertation under the supervision & esteemed guidance of Prof. K. K. Pillai, Head, Pharmacology. His immense knowledge and helpful attitude played the key role at every stage of my endeavor. I shall remain grateful to him forever for his esteemed guidance, supervision, constant suggestion, affection & the decision taken by him to supervise my research work.

It gives me immense and fathomless pleasure to place on record my profound sense of appreciation and indebtedness to Prof. P. K. Pillai, Formerly Head, Microbiology, Majeedia Hospital, Jamia Hamdard, who provided much needed constructive criticism, unending inspiration, valuable and pains taking guidance, encouragement, untiring and constant help and above all her positive attitude towards my abilities made the achievements of this goal, a challenging, enjoyable, rewarding and stimulating experience.

I express my deepest sense of gratitude to Dr. Prem Kapur, Associate Professor, Hakeem Abdul Hameed Centenary Hospital, Jamia Hamdard, for his guidance, clinical discussion, assiduous approbation, constant encouragement and help during the course of this study which helped me in accomplishing this research work. I always find him for support and helped me by all possible means.

I might leave a void in the thesis had I not left a note of reverence for Late Alhaaj Janab Hakem Abdul Hameed Saheb, founder, former Chancellor, Jamia Hamdard and Mr. Abdul Mueed Saheb, for the creation of the temple of knowledge called Jamia Hamdard.

My warm regards are due to our Vice Chancellor, Dr. G. N. Qazi, Medical Superintendent, Dr. Kathri, Majeedia Hospital, Dean Faculty of Pharmacy, Prof. Rashiduzz Zafar and Prof. Suroor A. Khan, department of Pharmaceutical Chemistry for their encouragement and providing necessary facilities.
I am grateful to the University Grant Commission (UGC), New Delhi for providing me the UGC-BSR Fellowship as financial assistance.

I express my deep gratitude to all teachers of the department, Dr. U. Bhandari, Dr. S. E. Haque, Dr. S. Jameel, Dr. Divya Vehora, Dr. Manju Sharma, Dr. Abul Kalam, Dr. Kiran Dubey, Dr. Md. Akhtar, Dr. Anshu Manoocha, Dr. R. Khanam, Dr. Anbrin Fatima, Dr. Md. Acil, Dr. Saeed Akhtar, Dr. Ozair Alam, and Faculty Members of Pharmacy for their valuable guidance and affectionate encouragement whenever needed.

I am highly obliged to Dr. S. A. Tamanna, Dr. A. Habib, Dr. A. Mukhajee, Dr. A. Sabarwal, Dr. A. Wachwa, Dr. S. Sud, Dr. H. Zubairi, and all the resident doctors of the Majeedia Hospital for their support and cooperation in my study work. I would like to express my heartfelt thanks to all the volunteers who participated in this study.

Special thanks are also due to Mr. John, Anjula, Shaba, Veena and all other staffs of Majeedia Hospital for their love, support, and valuable help.

I extend my warm thanks to my friends Faisal, Bhulan, Danish, Puneet, last but not the least Rizwan for their co-operation during my work and among whose company I spent my memorable years.

I express my sincere thanks to my colleagues and juniors Dr. K. Nagrajan, Dr. Ashu Mittal, Md. R. Ain, Aanir, Shamshir, Ghulam, Viray Kumar, Sheikh Mutaza, Sarad, Intakhab, Aftab, Haider, Afroz, Manjur, Priyadarshan, Zameer, Ahsan, Schbat, Salahuddin, Malay, Ekta & Jawed for their encouragement & motivation in my thesis work.

Very special thanks to my wife, Asadi Zafar and daughter, Sharmeen Fatima, for their cooperation during my work and encouragement to do the best. I don’t have words to express my emotional feelings towards my Mummy & Papa, brothers, sisters, bhabhis and relatives for their love, affection, encouragement and support, even though living miles apart from me and without whose blessing the aim could never be achieved.

(Md. Shamshir Alam)