ACKNOWLEDGEMENTS

All the praises and thanks to “the One Universal Being”, Who inspires entire humanity towards knowledge, truth and eternal commendation. He blessed me with strength and required passionate ardour to overcome the entire obstacles in the way of this toilsome journey.

It is extremely difficult to express my heartfelt gratitude in words to my reverend supervisor Dr. Mohammad Motin, Professor, Department of Applied Chemistry, AMU, Aligarh, who has been a constant source of knowledge, wisdom and encouragement. It is the matter of great privilege for me to accord my most profound gratitude and indebtedness to him.

I accredit my sincere thanks to Prof. Mohammed Ali, Chairman, Department of Applied Chemistry, for providing necessary research facilities.

I feel extremely honoured in extending my sincere thanks and gratitude to Dr. M.ZA Rafique, Associate Professor, Department Of Applied Chemistry AMU (Presently at Deptt. Of Chemistry, College of Science, King Saud University, Riyadh, K.S.A.) for his constant help and valuable suggestion during the entire course of this work.

It is indispensable for me to express my heartfelt gratitude to my friend Sheeba Khan for her unconditional help exchange of ideas and fruit ful discussion during the course of this work.

I owe a lot to my friends Masood Khan, Zeenat Aslam Mrs. Ruchi Garg Mrs. Saher Abbasi, Qamaruzzam Uzma and Sheema Basharat, Hanza
khan for their suggestions and excellent feedback, which helped me to shape the content and style of this work.

Words cannot express my deepest gratitude to my parents, brothers (Danish & Kashif) and sisters (Faria & Saria) for their love, patience, support and sacrifices, which is vested on every page of this study and is pivotal in the completion of this task. They always stood behind me during all sweet and sour moments of my life. Whenever I get tired and desperate, I found them ready to provide me courage and consolation.

In the last but not the least I express my deep sense of gratitude from the core of my heart to all my well wishers for their and cooperation, support.

Dated

Nazia Iqbal