ACKNOWLEDGEMENT

I feel immense gratitude and indebtedness to my adored supervisor Dr. M. Masroor A. Khan, Reader, Department of Botany, Aligarh Muslim University, Aligarh for his generous guidance, incessant encouragement, constructive criticism, excellent supervision that enabled me to complete this work.

My sincere thanks are due to the Chairman, Department of Botany, Aligarh Muslim University, Aligarh for providing the required facilities. Thanks are also due to Prof. Arif Inam, Prof. Firoz Mohammad, Prof. Nafees A. Khan, Dr. Moinuddin, Dr. Shamshul Hayat and Dr. Qazi Fariduddin for helping me in various ways.

I shall be failing in my duty if I do not acknowledge the enormous support and assistance received from my seniors, especially, Dr. Manzer H. Siddiqui, Dr. Muhammad Naeem, Dr. Barket Ali, Mr. Nasir Khan, Ms. Minu Singh, Ms. Shafia Nasir, Ms. Bushra Shahroz, and Ms. Syed Aiman Hasan. Words fail to express my heartfelt feeling for colleagues Mr. Mohd Idrees, Mr. Qaisar Hayat, Ms. Sangeeta Yadav, Ms. Neelima Akhtar and Mr. Tariq Aftab for their unstinted help to enhance my dedication and also for their valuable cooperation.

No words could adequately express all that my parents have done for me throughout my life. They have always been a source of inspiration and whose constant admonitions help me in my academic pursuits. Their sacrifices, prayers, affection and love made me to reach this stage.

(Md. Masidur Alam)