ACKNOWLEDGEMENT

In the praise of ALMIGHTY ALLAH who bestowed on me the divine guidance to embark upon this task of keeping realms of facts and events.

It is my great pleasure and honour to express my sincere and heartfelt thanks to my respected supervisor Dr. Mohammed Farooq Azam; Senior Nematologist; Department of Botany, Aligarh Muslim University, Aligarh for their support, expert guidance and encouragement and suggestions during my research work.

I am also highly obliged to Prof. Samiullah; Chairman Department of Botany Aligarh Muslim University, Aligarh, Prof. Wajahat Hussain, Late Prof. Wajid Khan former chairman; Department of Botany Aligarh Muslim University, Aligarh for providing every possible facilities in the department.

I express my gratitude to all my teachers in Department of Botany, who encouraged me and gave useful advice on a number of points.

I owe my expression of thanks to my seniors Dr. Yasmeen, and Dr. Sartaj A. Tiyagi for their valuable suggestions, help, support and encouragement during the preparation of this manuscript.

I am especially thankful to Mr. Masood Aziz and Mr. Nazish for the immense help provided.

My appreciations are due to Mishkaat Computers for skilled typing work with patience.
I express my gratitude and warmest thanks to my friends Miss. Saltanat Parveen, Shabana Ahmad, Dr. Nishi Gupta, Dr. Shazia Siddiqui, Dr. Anwer Shahzad, Miss. Azra Shaheen and Shahina Bano to their care, affection and encouragement through the course of study particularly at the stage of compilation of the thesis. I am also thankful to my lab colleagues for the same.

The determined patience and keen interest expressed by Dr. Qamaruzzama, Miss. Rehana Qadir Alvi and Zia during the course of my research curriculum require sincere appreciation.

It is difficult to express my feelings for my beloved parents for their dedication, forbearance, encouragement and blessings which have been a great source of inspiration and enable me to accomplish this work.

In the last it is my utmost desire to pay my thanks to my brothers Mr. Anwer Sadet, Mr. Mohammed Mustehsan, Mr. Ghulam Jeelani, Master Amanullah and my loving sister Miss. Tasneem Fatima for their moral support, cooperation and sacrificial devotion towards my studies and attaining this goal.

(Shamim Ajaz)