Acknowledgement

For some life lasts a short while, but the memories it holds last forever. The tenure of human in this world is supported by many others. Acknowledgement For a few might be just a trifle thing written on a piece of paper. But in the true essence it gives us opportunity to remember and express our feelings for those, whom we love, revere and share our secrets. Here I get a great opportunity to express my taken of thanks to people who in a way or any way helped and supported me to complete this record.

It is my sublime privilege to express my cordial and gratitude and veneration for Dr. S.S. Gaurav, Sr. Lecturer of genetics and plant breeding and coordinator of Department of Biotechnology. C.C.S University, Meerut and my internal supervisor, for his meticulous guidance, indelible inspiration, constant encouragement, constructive criticism and supportive attitude throughout the investigation of the present research problem and preparation of the manuscript.

I convey my deep sense of reverence and sincere thanks to the external supervisor Dr. B.D Sharma for his keen interest prudent and valuable guidance during the course of his investigation and preparation of this manuscript.

It is indeed a great pleasure to acknowledge the love, affection, co-operation and help rendered by the all science faculty members of Bhagwati College of Management and Technology.

I would be delinquent if I fail to thank Mr. Yashpal Singh, Department of Genetics and Plant Breeding C.C.S University, Meerut his help, advice and encouragement at every step of my study. Words would never be able to fathom the depth of my feelings for Dr. Rakesh Singh, Sr. Scientist and Mr. Ashwani lab attendant, from the National Bureau of Plant and Genetics Resource.

My vocabulary fails in expressing my indebtedness of my beloved mummy, papa whose divine love affection always provides strength in my whole study and my sisters (Shalini, Usha di and my Bubbly di) brothers (Tanu and Vivek) and my Sippy bhabi and
(Shalini, Usha di and my Bubbly di) brothers (Tanu and Vivek) and my Sippy bhabi and Dona for their profound love, ever-growing faith, ceaseless inspiration on moral and spiritual support and unending encouragement to achieve success at every step.

Every beginning has as end to it but still I believed that friends can scatter friendship can not. I would never forget my reverend friends Dr Krishan and Ekta. I recorded my sincere thanks to both beloved and respected peoples who helped me and could not find separate mention.

PLACE: MEERUT

DATE: 16/02/10

(SADHANA SINGH)