Acknowledgments

Happiness lies in pursuit as much as in reaching the goal and today I stand with the amount of my endeavor, while pursuing it, many known and unknown hands pushed me forward, learned souls put me on the right path and enlightened me with their knowledge and experience. No words could adequately express the magnitude of my feelings. I shall ever remain indebted to all of them.

I acknowledge my thanks to Dr. P.P. Bhojvaid, Director, Forest Research Institute, Dehradun for providing necessary facilities during the course of research. I owe my sincere thanks to Dr. A. K. Tripathi, Scientist-F & Registrar, Forest Research Institute University, Dehradun for administrative help and RAC members for their valuable suggestions.

I seize this jubilant occasion to express my deep sense of gratitude to my Supervisor Dr. Sudhir Singh, Scientist-F, Head of the Department, Forest Entomology Division, Forest Research Institute, Dehradun for his valuable suggestions, constructive counseling and critical suggestions through the course of preparation of this manuscript. He constantly devoted his time unconditionally throughout the study period to amend my flaws.

Words are insufficient to circumscribe the effusive feelings of gratitude and regards which I owe to Shri Raman Nautiyal, Scientist-F, Indian Council of Forestry Research and Education, Dehradun for his valuable guidance, constant supervision, tireless inspiration, whole hearted encouragement and affectionate attitude during the entire research work and preparation of manuscript.

I convey my thanks to Dr. Mohd. Yousuf, Dr. Neena Chauhan, and Dr. K. P. Singh of the Forest Entomology Division for the facilitation provided by them from time to time. I am thankful to Mr. R. B. Singh and Sh. O. P. Sharma of the division for help during my field work.

I am very thankful to my friend Nuzhat –Al- Qyum –Qazi for her help and support she provided in the tough phases of my research and life. Thanks are also due to my senior Dr. Faisal Mohammad, my labmates Dr. Anil Kumar Dubey, Ms. Rashmi Dobhal, Bhavna Joshi and Mohsin Ikram for the motivation and encouragement I needed in entire duration.
I am very much thankful to my lovely brothers Mr. Vaibhav & Mr. Praval and my fantabulous sister Ms. Shail Shree for sharing my joys and sorrows and for constantly encouraging me. For what they always did to smoothen my journey and to eradicate thorns on my way, for listening me in odd hours. I take this opportunity to say that you are very special.

I am also very thankful to my father-in-law Dr. Promod Kumar Singh, Head Commerce Division, Meerut College, Meerut and my mother-in-law Dr. Kamla Singh for their support, encouragement, love, affection they showered me unconditionally.

Foremost, my warmest and profound than ks to my husband Mr. Abhijit Singh for his everlasting moral support always inspired me to go ahead with my goal. He was always there to help me out in my tight corners. I’ll always be in debt for his unique way to understand and to provide all the needful to compile my research.

Every effort is motivated by an ambition and all ambitions have an inspiration behind. I owe this pride place to my revered parents, who sacrificed their pleasures. Their selfless persuasion, firm faith and patience made me accomplish my job which would have remained distant dream otherwise. It was due to the blessings and prayers of my parents that I could able to reach at this stage and achieved this milestone of my carrier. This work is result of the dream you seeded.

If I am forgetting someone, hope they will not take it by heart.

(Aparna Shree Singh)

Dated:

Place: