ACKNOWLEDGEMENT
Even people with eyes get lost in the dark.
They need a Guide to show them the Light and take them out of darkness.

To me, this Guide and Light is Dr. Patnaik V. V. G. Patnaik, Principal, M.M.I.M.S.R, Mullana. Without his inspiration, direction and vision, this endeavor would have gone in vain. In spite of being so extremely occupied, he gave me his wholehearted assistance and I would forever be indebted to him for his kind blessings, which came to me in abundance. His knowledge, intellect and leadership is beyond description and I feel myself to be so fortunate that such a highly knowledgeable and renowned teacher, was my guide and mentor for this study. I can never thank him enough for whatever he has done for me.

I’m grateful to my Department of Anatomy which deserves a special place for disciplining my professional life and significant contribution at every stage of preparation.

It is a futile attempt in search of abstracts to express my deep and sincere sense of respect, regards, gratitude and indebtedness for my esteemed Professor and head – Dr. Nidhi Puri for her advancing encouragement, valuable guidance and full support from time to time. Her wise and concrete suggestion and meticulous help me to complete this work.

The support and love of my family was my energy. Throughout this journey of learning and hard work my husband Mr. Prashant Saini was there for eternal encouragement and support. The completion of my work would have been impossible without him. I want to mention special word of thanks to him for being always there for me.

Throughout this journey who kept me stress free was my lovely daughter, Prabhnoor, my bundle of joy. Her smile always kept me away from gloomy weather through this journey, like a sunshine.
These few lines can hardly do justice if I try to appraise my gratefulness, admiration and regards for **Dr. Varsha Singh**, Professor and Head, Department of Microbiology for her valuable guidance and full support time to time.

All my efforts shall go in vain, if I do not thank my colleagues especially Dr. Deepti, Dr. Manju, Dr. Priyanka, Dr. Shinu and Dr. Anshu. It would not have been possible to carry out this work without their active and unstinted involvement.

I owe all my gratitude from the core of my heart to my parents and my brother, who were always a source of encouragement for me. I also want to say thanks my mother-in-law for her support and encouragement.

I express my utmost gratitude to **Dr. B Prakash, Principal Scientist and Head Animal Genetics Division, National Bureau of Animal Genetic Resources (NBAGR), Karnal** who gave me unending support to conduct my practical part of the study and without his support and blessings, I really don’t know how I would have managed to complete the practical and very important part of this study. I send prayers for his well-being and must I say, I have never come across a man as helpful as him.

I shall be failing if I’ll not extend my vote of thanks to all the technical staff Ms. Selly, Miss Madhu, and Mr. Pradeep. I also want o says thanks to Mr. Sultan who provided all the assistance when it was required. I also want to say thanks to Mr. Vinod and Mr. Yashpal.

**Date:**

**Place:**          Balreet