ACKNOWLEDGEMENTS

Words fail to express my deep and sincere gratitude to my supervisor Late Prof. Manjeet Singh, whose name is respectful in field of research. His love, affection, wide knowledge, logical way of thinking and personal guidance is a key strength to accomplish this research work. After the sad demise of Prof. Manjeet Singh, the almighty GOD showered his blessings on me and then I got the opportunity to share and learn the lot of things under the adorable guidance, constant support, and generous ideas of Prof. P.L. Sharma, who had constructed my moral structure and provided strength to complete the remaining research work. His inspiring and priceless guidance is a key of success for me. I am also grateful to Mrs. Manjeet Singh for their continuous motherly love and support.

I express my word of thanks to chairman, I.S.F College of Pharmacy, Moga, Punjab, India, Shri Parveen Garg, for providing the research facilities and exposure to scientific world.

It gives me great pleasure to offer my profound gratitude and sincere thanks to all faculty members of the college Prof. R.D Budhiraja, Prof. K.L Bedi, Prof. K.L. Dhar, Prof. O.P. Suri, Prof. A.N. Kalia, Prof.T.R. Bhardwaj, Prof. R.S.R Murthy Prof. Rajesh K.S. Prof. Kahlon, Dr S.S.V. Padi and Dr amit goyal the valuable suggestions and inspiring advice.

I am also delighted to express word of thanks to my true friends whose support give me strength to work hard throughout this endeavour: Harlokesh Narayan Yadav, Kulwinder Sidhu, Baldev, Atish, Zafar, Rohit Goyal, Jyoti Ram Sawale, Dr. Vikramdeep Monga, BVK Reddy, Savita Kumari, Rahul Desmukh, Tanmay, Karan Kaur and Goutam Rath. It was due to their blessings and constant love complimented with teamwork that made my time memorable and will remain in my mind throughout my life. I also not forget to extend my word of thanks to all other faculty members for their warm love and support.
It was my pleasure to thanks to my loving student and all juniors, Dinesh, Ankur, tajendra, Deepak, Gurdev, Anil, Neha, seema, Amninder, Yogendra, Steve, Tapan, Dhiraj, Paras for warm love and co-operation.

I am also thankful to Ram Jatan, Radheshyam, Ashok Kumar, Chand Singh, Ranjeet, Sammi and all other non-teaching staff for their help & invaluable assistance during entire tenure. I am also personally extending my thanks to Mr. Mahinder Singh, Mr. Naresh, Mr. Kapil, Miss Rekha, and Miss Niriti for their timely help and cooperation.

I am not forget to express my gratitude to my parents, specially my mother, brother-sanjeev, my sister- Usha, Reena and My Jijaji: Shri parveen and Shoran Singh, and the very caring Antim, Neeraj, Meena, Savita whose constant love, inseparable support and prayers give me the path for success.

Behind every success, always there are some pillar, whose constant support, overwhelming love, care and who lend their hand whenever needed, are my Mama Ji Dr. S.P Singh, who is always with me in my thick and thin. I owe my special thanks to my father and mother in law for their blessings, support and constant inspiration for helping me out from my difficult time.

On a personal note, I am thankful to GOD for providing me such a loving wife: Mrs. Monika, who invested her present for my future and whose dedication, overwhelming love and persistent confidence, keeps me away from worries.

At last but not least, I acknowledge all those who knowingly and unknowingly contributed in making my work easier and a real success.

I pay homage to those experimental animals that have sacrificed their lives in making my endeavour successes. May GOD grant them eternal peace?

(Rajeev Taliyan)