ACKNOWLEDGEMENT

Towards the completion of this dissertation, I would seize the opportunity to acknowledge my deep sense of gratitude towards all those who extended their kind help and support in fulfilling this venture. First and foremost I would like to express my thankfulness to God for his shower of blessings with which I not only completed the task but also was taught with new experiences in my life.

I express my profound gratitude to my supervisor Dr. Vidhu Aeri who had to given her valuable time & expertise in carrying out this research project, research as it has been understood, envisages learning observation & application. Through all these steps I could realize the value of a guide of Dr. Vidhu Aeri. Mere words are not enough to express my gratitude towards a wonderful person and teacher like her.

I feel deeply obliged to Prof. Mohammed Ali, whose invaluable direction, expert assessment, spirited motivation and tremendous support enable me to shape up this research work. A heartfelt thanks to him.

I wish to express my sincere thanks to Prof. R. Zafar, Dr. Sayeed, Dr. Mujeeb, Dr. Showkat, Dr. Saaidb, Dr. P. Jayaraman and Dr. Manju for their time to time help & suggestions during the course of these studies.

I would like to take this opportunity to thank Dr. S.H. Ansari, Dean, J/O Pharmacy, Dr. K. K. Pillai, Head, Deptt. Pharmacology, for allowing me to avail the different facilities, instruments and chemicals in their respective departments.

I express my sincere thanks to Dr. Asgar Ali, Dept. of Pharmaceutics, for recording photographs of slides.

I owe my special thanks to Dr. A.K. Mukerjee, Consultant Pathologist of AIIMS and Dabur, for his help and cooperation in interpreting the histopathological slides.

I am very greatful and indebted to my seniors who really helped me while working on this project, Dr. Raisullah, Dr. Jufiakar, Dr. Onkar, Mr. Panda and Mr. Shouib sir.

Financial assistance by UGC (RGNF) is duly acknowledged. I am also thankful to the staff of various libraries in New Delhi, viz. Central Library (Jamia Hamdard), INSDOC and NML, where I carried out my literature survey. I would like to acknowledged Central Instrumentation Facility lab (Jamia Hamdard) for doing various analytical work, Arbro Pharmaceutical Ltd for recording FTIR spectra of the isolated compounds, CDRI Lucknow for doing FAB-Mass of compounds and NIPER for performing heavy metal analysis in plant samples.
I appreciate the lab technical staffs, Mr. Asad sir, Idrish, Abid, Mustaq, Gulzar, Faeroz, Muna lal, Manoj, Shyamsunder, Asgar, Inderpal Singh, Shaukat and Rajesh for their help.

I would like to express my sincere thanks and appreciation to Priyanka, Nitin, Renu Singh, Suresh, Yashdeep, Shamaaz, Suhail, Madhu, Sanjay, Sudershwan, Nalika, Swati, Anita and Kunal for their friendly support and timely suggestions that helped me in shaping out the things, my special vote of thanks to all of them. Friends are special people who have always been there in good as well as bad times.

I wish to convey my thanks to my loving juniors Shaheen, Bhavana, Deepika, Masih Khan, Kshitij, Mann, Pervez Alam, Ranjan, Lakshmi, Abhilasha, Khalid, Mariya, Pramod, Sushil, Irani, Richa, Mahaveer, Shadab, Massod, Junus, Ahmad Sabir, Mustafa, Nadeem and Irfan. Wishing all of them success in life.

Lastly I feel short of vocabulary to express my heartiest gratitude to my parents, grandfather, my parents in law and all my relatives. It is their true love, noble guidance and sincere efforts that moulded my life. I owe them everything other than the mere word of “thanks”.

I would also like to thank my sister Rajni, brothers Vijay, Sushil and all family members; Veena, Pinky, Praveen, Pramod, Sangeeta, Moni, Soni, Pooja, Rashmi, Gagan, Nunu, Mohit and Sujal for their love, care, encouragement and moral support.

Finally my efforts will remain incomplete, if I fail to acknowledge thanks to my husband Vinod for supporting me and for being my moral anchor throughout my work. My lovely daughter Tanya, who is too young to understand this thesis, deserves a special mention for her cooperation and time.

I bow my head in honor of my grandmother (Late) for her blessings, love and affection.

I extend my sincere thanks to all those who have been associated directly and indirectly with my thesis.

Thank you all for what I am. I would again like to thank God for giving me the confidence to do things in the right way.

Raj Kumari