Acknowledgement

Failure is never final and Success is never permanent, Success is a journey, not a destination and this journey can’t be completed fruitfully without right guidance and supports.

A successful project can never be completed by the singular effort of the person to whom project is assigned but, it also demand the help and guardianship of some conversant person who undersigned actively or passively in the completion of successful project.

I most thank my supervisor Dr. Arun K. Gupta, Professor & Principal, Chameli Devi Institute of Pharmacy, Indore & Dr. Ritu M. Gilhotra Professor & Dean Research, Suresh Gyan Vihar University for his benevolent and expert guidance, constant encouragement, stimulating discussion and untiring help given during the planning and execution of this investigation. He has been a constant and consistent source of strength, sharing my concerns by enriching them with his own perception. I am proud to say that he is just like a velvet hand in an iron glove and a dazzling diamond in disguise

I am thankful to Dr. Sanjay Jain, Principal, Indore Institute of Pharmacy, Indore for his constant encouragement and suggestions.

The spoken or the written word can hardly suffice to express the deep gratitude to Dr. Hemant Joshi, Principal, Ujjain Institute of Pharmaceutical Sciences, Ujjain for his inspiration and kind support throughout my carrier.

I am indebted to Mr. Hemant Khambete & Mr. Jacky Dumbwani for helping me in my work. This work wouldn’t have materialized without their support

I wish to express my deep sense of gratitude and special thanks to Dr. Mahavir Chhajed Associate Professor Department of Pharmaceutical Chemistry, Indore Institute of Pharmacy, for his co-operation and critical suggestions during the research work.

I wish to extend my thanks to Department of Pharmacology, Indore Institute of Pharmacy, Indore, for In-vivo Evaluation of Biological Activity, suggestion and support during my project work.

I would take this opportunity to thanks Mr. Avtar Singh, Head, Department of SAIF, Punjab University, Chandigarh, and Head, Department of SAIF, Central Drug
Research Institute, Lucknow for providing Analytical facilities and giving necessary suggestion regarding my project work.

I am extremely thankful to Shail group, Indore Institute of Pharmacy, Indore for providing me, necessary equipment’s and other facilities during the course of my project work which was immensely helpful.

I am also thankful to non-teaching staff of my college for their help for completion of my dissertation work in time.

It would have been impossible to carry this research endeavour without the blessings of my guru PARAM PUJYA SHRI NANA MAHARAJ TARANEKAR

It would have been impossible to carry this research endeavour without the encouragement, sacrifice and assistance of my father Mr. Sudhir Prachand and my mother Mrs. Sunanda

Prachand & my beloved wife Mrs. Swapna Prachand and My daughters Aarohi and Advita

For their love, affection, inspiration and sacrifice, which moulded my life and boosted my morale. Whose moral support and encouragement, has been the driving force behind my efforts throughout my life.

My deep regards to my dearest brother Nikhil and my sister in law Roopali for their unselfish, unconditional love and moral support.

Sumeet Prachand