Acknowledgement

It gives me great pleasure to express my acknowledgement and place on record my gratitude for the help received in the course of this study. This presentation is the fruit of efforts taken by many people in my life.

- With profound pleasure I take the opportunity to express deep sense of gratitude to my respected guide – Prof. Dr. A. P. Deshpande for his valuable and efficient guidance, supervision and inspiration throughout the period of my study.

- I hereby place on record my deep sense of gratitude and extreme indebtedness to Dr. V. V. Doiphode – Dean and Head of the department of Ayurved of Pune University for kind co-operation and timely guidance.

- I am highly indebted and grateful to Dr. S. N. Parchure, Director, post graduate faculty of T. A. M. V. for his encouragement and kind co-operation.

- I am extremely grateful and indebted to Dr. D. P. Puranik, Principal, Tilak Ayurved Mahavidyalaya for his valuable guidance and timely help in completing my research work.

- I am also obliged to Hon, Ashokrao Mohol, chairman, Pune District Education Association, Pune, for encouraging to do the research work through our college.

- I like to thank Hon, Narayanrao Tapkir, Vice Chairman, P. D. E. A., Hon Satishrao Ursal, Hon. Secretary P. D. E. A. for their kind co-operation.

- I express my sincere gratitude to Prof. Dr. Anjali Paranjpe, Principal, College of Ayurved and Research centre Akurdi for her great help, encouragement throughout this work.

- I express my sincere gratitude to my friends, Dr. Tanuja Nesari and Dr. Manasi Deshpande for their valuable suggestions and guidance for the research work.

- I am also obliged to Dr. B. K. Bhagwat, Dr. Gangal, Dr. Dhadphale, Dr. Satpute for their encouragement during my research work.

- My special thanks to Dr. Mr. and Mrs. Chandrakant Kolte, Dr. Gavane, Dr. Huperikar, Dr. Ghanvat, Dr. Kanade, Dr. Borse.
• My heart felt thanks to my dearest friend Dr. Mrs. Ujwala Hake and Mr. Abhay Hake for their moral support throughout the study.

• I express my greatful thanks to my husband Mr. Deepak Lad for his valuable help and co-operation throughout the period of my research work, without his help this would have been an impossible task.

• My earnest thanks to my mother Madhumati Murkute and my elder brother Dr. Milind Murkute for constant encouragement and support.

• My special thanks to my son Rutwik, my brother in law Mayur and my father in law Mr. Lad, my sister in law Maitreyee and Jyoti for their co-operation and moral support during the study.

• Thanks to my father Late Mr. Balkrishna Murkute and my mother in law late Daya Lad for their blessing behind me.

• With profound pleasure I take the opportunity to express my thanks to my teachers Dr. Vivek Haldavaneekar (Kolhapur), Dr. Ravindra Bapat (Mumbai), Dr. Rajendra Bhagwat (Sangli), Dr. Sungare, Dr. Kognule, Dr. C. R. Patil (V.P.A.M.C., Sangli), Dr. Sabale, Mr. Bhosale, Dr. Wali (Kolhapur), Dr. Dilip Inamdar (Miraj), Vd. Khadiwale (Dada), Dr. Upasni (Nasik), Adv. Hodgar (Manchi) for their valuable blessings.

• I express my special thanks to my sisters and Jijaji Dr. Mr. and Mrs. B.P. Sable, Dr. Mr. and Mrs.Arun Adsule, Mr. and Mrs.Arun Bhosale, Dr. Mr. and Mrs.Khot and advocate Dr. Mr. and Mrs.Sureshchandra Bhosale for their encouragement during my work.

• I am extremely greatful to Dr. Patil S. C. – C. M. O., Akurdi hospital for his guidance and providing all facilities during clinical work. I also thank to Dr. Roy, Dr. Shenoy and Dr. Gaikwad Datta for timely help.

• I would like to thank Dr. Bobade A. R. for his valuable guidance and providing necessary facilities for laboratory investigations during the tenure of clinical study.

• My sincere thanks to Dr. Anagha Desai, IDRL Pune and Dr. Mr. Thite Anchrome, Mumbai, Drug testing laboratory, Mumbai for their timely help in
phytochemical studies.

- My special thanks to Dr. Milind Sardesai, Head and senior botanist, Botany Dept., Abasaheb Garware college and Dr. Patil M. J. (D.Y. Patil pharmacy college) for correct identification of the trial drugs.

- I would like to thank Dr. Sawaskar, Dr. Chandanwale, Mr. Kaldhonkar (Appa), Mr. Rohit for their valuable help during the research work.

- My special thanks to Dr. Vishnu Joglekar, Statistician, Tilak ayurved mahavidyalaya & Mrs. Sane (NAARI) for statistical work.

- I am very greatful to my patients for their co-operation in my research work.

- My heartfelt thanks to my friends of C.A.R.C. Akurdi, Dr. Saroj, Mangal, Ragini, Madhuri, Swati, Charu, Chandana, Anju, Madhavi, Revati, Shobha, Ranjana, Asmita, Maya, Medha, Deepali, Renuka and Arati.

- I am very thankful to my colleagues Dr. Milind Kulkarni, Dr. Bobade, Dr. Mokashi, Dr. R. R. Deshpande, Dr. B. N. Deshpande, Dr. Phadake, Dr. More and Dr. Mhaske, Dr. Sarpotdar.

- My special thanks to my colleagues Dr. Usha Deshmukh, Dr. Swati Chobhe, Dr. Sadhana Babel, Dr. Mr. and Mrs. Bhor, Librarian Chavan, clark Mrs. Joshi, Pravin more, Shitole and Ajbe & Mr. Botre, Mr. Padale, Miss Surekha for their timely help.,

- My heartfelt thanks to my friends Anu, Neeta, Vidya, Varsha, AD, Raju, Shree, Sunil, Rupa, Baba, Satish, Shama, Vaishali, Dr. Ravi Shinde, Sada, Vijay, Dr. Bindusar Palange, Dr. Nitin Hire, Dr. Bhoi Milind, Dr Anand Barve for their constructive comments.

- I am very greatful to My brothers Deepak, Arvinda, Sachin, Himmat, Manish, Nilesh, Girish and our family friends Kedari family, Takwane family, Chandare family, Zakir family, Bhaskarwar family, Mhaskar family, Petkar family, Borse family, Ghadyle family, Nikam family, Sahastrabuddhe family and Patil family who never hesitate to help me throughout my project.

- I am thankful to my students Ujwala, Varsha, Jyti, Shamika, Harshad, Alok, Fareed, Akanksha, Amruta, Shraddha and my ex, students Dr. Jayant Lokhande,
Dr. Hajare, Dr. Parshuram Patrur, Dr. Tamboli for their timely help throughout the work.

- I am thankful to Miss Sonali Kadam and Mr. Shantanu Wavhal who helped me a lot for the neat key boarding of this study.

- I thank one and all who have contributed directly or indirectly for successful completion of this work.

Vd. Meenal Lad.