

## Acknowledgements

I take this opportunity to thank and express my gratitude to all those who directly or indirectly helped me to accomplish this venture.

It gives me deep - seated pleasure to express my profound gratitude and indebtedness to my research guide **Dr. S. H. Mishra M. Pharm., Ph. D., FIC**, Professor of Pharmacognosy, Pharmacy Department, Faculty of Technology and Engineering, The M. S. University of Baroda, for his valuable guidance and suggestions, keen interest, scholastic advice and critical approach towards completion of this work.

My heartfelt thanks to **Dr. A. N. Mishra**, Professor and Head, Pharmacy Department, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara, for providing necessary facilities to carryout the research work.

My heartfelt thanks to **Prof. R. Balaraman** and **Prof. M. R. Yadav**, Former Coordinators, **Dr. (Mrs.) Rajani Giridhar** Coordinator, Center for PG studies and Research in Pharmacy, **Prof. R. S. R. Murthy**, Pharmacy Department, Faculty of Technology and Engineering, The M. S. University of Baroda, for providing necessary facilities to carryout the research work.

I also extend my sincere thanks to all the teaching staff of Pharmacy Department, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara, for their cooperation and support during the research work.

My sincere thanks are due to **Dr. (Mrs.) Susy Albert**, Associate Professor, Botany Department, The M. S. University of Baroda, for authentication of plant materials and for her help in anatomical studies of the plant materials.

My thanks are due to **Vaibhav Analytical Laboratory**, Ahmedabad, for Elemental analysis of the plant materials, **RSIC**, Punjab University Chandigarh and **SAIF**, IIT Mumbai, for providing the spectral data of the compounds.

Heart felt thanks to my friends **Mr. H. Srinivas** and **Mr. Praveen Bommu**, for their help in obtaining the necessary literature during the course of studies.

I am cherished by working with my friends **Manish Lavhale**, **Krishnamurthy** and **Dr. A. R. Bafna**, I heartily thank them for their support and encouragement during the entire period of studies.

*I also wish to thank my research colleagues Mannan Raval, Suresh Soletti, Mayur Patel, Ashish and all fellow colleagues in the Herbal Drug Technology Laboratory for their co-operation.*

*I also extend my thanks to all non teaching staff of Pharmacy department for their co-operation and support.*

*I am also thankful to All India Council for Technical Education (AICTE), New Delhi, for providing financial assistance in the form of National Doctoral Fellowship (NDF) to carry out this work.*

*I also thank my friends Sanju, Shivanand, Shivu and, H. C. Patil for their moral support and encouragement.*

*It is my pleasure to thank my parents, brothers and sister for their love, prayers and constant encouragement without which this work would not have been the same.*

*I also acknowledge all those who directly or indirectly helped me in the fulfillment of this work.*

  
*Somashekar A. Padashetty*