ACKNOWLEDGEMENT

I am grateful to Padmashri Shri Darshan Shankar, Founder Director, Institute of Transdisciplinary Health Sciences and Technology (an expression of FRLHT), for giving me an opportunity to take up this study and for providing me the facilities for the same.

My heartfelt gratitude and sincere thanks to my thesis supervisors Prof. Lalitha B R, Dept. of PG studies in Dravyaguna, Government Ayurvedic Medical College, Bangalore and Prof. Padmavathi Venkatasubramanian, Advisor, School of Life Sciences, Institute of Trans-Disciplinary Health Sciences and Technology - FRLHT, for their guidance, supervision, encouragement and support.

I thank Manipal University, Manipal for providing me an opportunity to take up this study.

I extend my special thanks to Prof. K Haridasan, Centre for Conservation of Natural Resources, ITDHST-FRLHT; Dr. M Balakrishnan Nair, PhD programme coordinator; Dr. M A R Iyengar, and Mr. Ravi Kumar for their encouragement and administrative support.

I am extremely thankful for the financial support CAPTURED (Capacity and Theory building for Universities and Research Centers for Endogenous Development), Ecology Technology and Culture Foundation (ETC), the Netherlands. I am grateful to Mr. Bertus Haverkort, Scientific Advisor, CAPTURED programme for support. I am also thankful for the partial fund support received from the Centre of Excellence for Medicinal Plants & Traditional Knowledge project of the Ministry of Environment and Forests (MoEF), Government of India.

I am grateful to my Research Advisory Committee members, Dr. G G Gangadharan, Former Medical Director, I-AIM Health Care Centre; Prof. Subbarao, Scientist Emeritus,
Department of Organic Chemistry, Indian Institute of Science and Vaidya Ramesh Nanal, Ayurvedic Physician, Pune for their valuable recommendations and suggestions.

My sincere gratitude are due to Dr. Divakar Goli, Principal; Dr. Bapuji M B, visiting Professor; Dr. Manjunatha P M, Asst. Prof., Department of Pharmacology, and the Institutional animal ethical committee of Acharya & MB Reddy College of Pharmacy, Soladevanahalli, Bangalore for facilitating pharmacology studies. I wish to acknowledge the help received from Mr. Hanumantharayappa, Lecturer and Mr. Ashish and Mr. Amar, M.Pharm students from the same Institute.

Thanks are due to Dr. Venugopalan Nair, Associate Professor, ITDHST-FRLHT for the help during designing the study and discussions on Abhāva Pratinidhi Dravyas at every point of this research work. I would like to express my heartfelt gratitude to Dr. M Nagarajan, ITDHST-FRLHT for his guidance and support to carry out phytochemical studies.

I am grateful to Dr. K Ravikumar, Associate Professor, ITDHST-FRLHT and the team of botanists and Dr. G S Goraya, Deputy Director General, Indian Council of Forestry Research & Education (ICFRE), Dehra Dun, Uttarkhand, who provided me the authenticated plant samples and plant photographs required for the research work.

I am thankful to Mr. Hariramamurthy, Associate Professor, ITDHST-FRLHT; traditional practitioners Vaidya Raju Pandith, Vaidya Mallappa, Vaidya Renukaram, Vaidya Desai, Vaidya Gurubasavaraj, Dr. Jayagovinda and all other traditional practitioners for the inputs and help provided during the documentation of AD-APDs in living traditions.

I gratefully acknowledge the suggestions and encouragement received from Dr. K V Krishnamurthy, Visiting Professor, Department of Bioinformatics, School of Life Science, Bharathidasan University Tiruchirappalli; Dr. Upendra Nongthomba, Professor, Molecular
Reproduction Development and Genetics, Indian Institute of Science, Bangalore; Dr. Unnikrishnan P M, UNU-IAS, Japan and Dr. Indu Bala Koul, former senior scientist, FRLHT.

My sincere gratitude and thanks are due to Mrs. Aparna S for the assistance received in terms of documentation and data entry of the Abhāva Pratinidhi Dravyas from the Ayurveda texts. I am grateful to Mr. S P Balasubramani for his support to me in every stages of my research work.

I am extremely thankful to Dr. Vishnu Prasad and Ms. Sreevidya Koyyala for their help and support in conducting in vitro bioassays and Ms. Gina Kuruvilla, Mr. Arun Kumar, Ms. Madhuri, Dr. Vijayalakshmi and Ms. Sandhya in conducting phytochemistry studies.

I gratefully acknowledge all the help received from my friends Dr. Prakash B N, Dr. Preethi Sudha V B, Ms. Lalimol, Mr. Eshwarappa, Mr. Kumaraswamy and from all my colleagues at FRLHT.

Finally I thank my family members for their help and support.

Subrahmnya Kumar K