ACKNOWLEDGEMENT

I honestly acknowledge the blessings of His Holiness
Dr. Shivamurthy Murugha Sharanaru,
President, SJM Vidyapeetha, Chitradurga.

The research work embodied in this thesis has been carried out under the able guidance of Dr. Basavaraj Padmashali, Selection Grade Lecturer, Department of Chemistry, Sahyadri Science College (Autonomous), Shimoga - 577 203. His guidance and impressive understanding of the Chemical Sciences has helped my development as a good researcher and chemist. It gives me immense pleasure to express profound sense of gratitude to my beloved guide Dr. Basavaraj Padmashali, for his personal care, stimulating discussion and inspiring guidance. He has been constant and consistent source of strength throughout the pursuit of this research work.

I express my sincere regards and respect to my role model Dr. Y.S. Agasimundin, Professor and Head, P.G. Department of Pharmaceutical Chemistry, SCS College of Pharmacy, Harapanahalli, for his outstanding contribution, valuable suggestions and evergreen source of inspiration during my course of study.

I am grateful to the authorities of Kuvempu University, for providing me the facilities to do this research work.

I take this opportunity to express my sincere thanks to Dr. G.N. Mallikarjunappa and Prof. E. Chitrashkehar, Executive Directors, SJM Vidyapeetha, and Dr. D.R. Bharathi, Principal, SJM College of Pharmacy, Chitradurga for their support during this research work.
I am highly grateful to Mr. K.N. Vishwotham, Principal Scientist, Biopharmaceuticals Research, Suven Life Sciences Ltd., Hyderabad, for providing mass spectra.

I would like to thank Prof. B. S Sherigara, Honorable Vice Chancellor, Kuvempu University, for his help during my research work.

It is my duty to express my pleasant thanks to Dr. V.P. Vaidya, Professor of Chemistry, Dr. J. Keshavayya, Professor of Chemistry, Dr. T.V. Venkatesha, Chairman, Department of Chemistry, Dr. Y. Arthoba Naik, Department of Chemistry, Kuvempu University, for their encouragement.

I would like to express my sincere gratitude to our research group Dr. R. Nagendra Rao, Dr. T.H. Suresh kumar, G. Naganagowda and B.N. Chidananda for their kind co-operation and encouragement.

It gives me an immense pleasure to thank my colleagues Mr. T.S. Nagaraj, Mr. R. Yoganand, Mrs. Snehalatha, Mrs. Radhiya, Prof. N. Jagadish, Mr. N.B. Sridharmurthy, Mr. G.R. Nataraj, Dr. H.K.S. Swamy, Mr. G. Rudrappa, Mr. K.V. Jayadevaiah, Mr. M.M.J. Vijay Kumar, Mr. Mumtaz Hussain, Mr. Maruthi T. Ekbote, Mr. L. Shankarappa, Mrs. H.M. Anuradha, Mr. Kallesh, and all the teaching and non teaching staff of SJM College of Pharmacy, Chitradurga for their encouragement and support.

I express my deep sense of gratitude to Dr. B. Ramesh, Principal, SAC College of Pharmacy, Bellur. and Principal, and all the teaching and non teaching staff of Sahyadri Science College (Autonomous), Shimoga - 577 203.

I must acknowledge the outstanding contribution of my friends Gurubasavaraj Reunasiddappa, Kadeer Ahmed, Ravi Vaddin, Manzoor Ahmed,
Guruswamy, Gururaj, Vishwa, Ravi, Guru, Manju, and Vijay whose help in variety of ways was exceptional.

I would also like to thank Indian Institute of Science, Bangalore, Punjab University, Chandigarh and SAC College of pharmacy for providing spectral data.

I wish to extend my sincere thanks to Dr K.G. Bhat, Department of Microbiology, Maratha Mandal Dental College, Belgaum for providing facility to carryout biological studies.

I would like to acknowledge my sincere thanks to Mr. Noor Mohammed Hussain of Creative Computers, Chitradurga for printing this thesis.

It is the ocean of love embellished with faith, prayer and hope of my revered father Sri. S.K. Harti and mother Smt. Sharada Devi Harti for what I am today is an ample testimony of their holy and sacred efforts.

I am forever indebted to my brother, Mr. Kiran Kumar Harti and my sister in law, Mrs. Pavana Kiran, my dearest Sister, Mrs. Vijaya Laksmi Nagaraj, and brother-in-law Mr. P. Nagaraj, my little niece Yasha and nephew Shreyas for their selfless love, moral support, encouragement, dedication, sacrifices and faith towards the family.

I express my profound gratitude to my beloved and respectful teachers whose inspiration and heartfelt encouragement is responsible for me to attain this level.

Every completed task has got many hands to accomplish it. Mere mention of them will not justify their true contribution. My acknowledgement are therefore many more than what I have expressed here.

H.S. Basavaraja