ACKNOWLEDGEMENTS

I am greatly indebted and take pleasure in expressing my heartiest and humble thanks to Dr. (Smt.) Bharati V. Badami, Professor of Organic Chemistry, Department of Studies in Chemistry, Karnataka University, Dharwad, who has encouraged and inspired me in taking this field and taught the fundamentals of research. I consider myself very fortunate for having worked under her able guidance. I am deeply indebted to her for her keen interest, dedicated guidance, stimulating discussions and everlasting encouragement by exploring new ideas throughout the course of investigation leading to the preparation of this thesis.

I record my sincere thanks to Prof. C. D. Daulatabad, Chairman, P. G. Dept. of Studies in Chemistry, Karnatak University, Dharwad for providing the facilities to carry out this investigation. I wish to express my gratitude to Prof. A. H. M. Siddalingaiah and Prof. V. B. Mahale, former chairmen P. G. Dept. of Studies in Chemistry, Karnatak University, Dharwad for their timely help and co-operation.

I owe my special debt of gratitude to Prof. G. S. Puranik, former chairman (Retd.) P. G. Dept. of Studies in Chemistry, Karnatak University, Dharwad for his affectionate encouragement and unreserved help.

I simply fumble for words to express my heavy debt of gratitude towards my teachers Dr. I. M. Khazi and Dr. J. Seetharamappa and other teachers who instilled in me the
feeling for going into research and were instrumental in helping me complete the task in stipulated time.

I take this opportunity to sincerely thank my research colleagues, Dr. C. K. Hosamani, Dr. (Mrs.) Shanta G. Mallur, Dr. J. J. Jogul, Dr. (Miss) Jyoti R. Kavali, Mr. O. Kotresh, Mr. R. Sanyal, Mr. Prashant Shinge, Mr. Ravi K. Hunnur and Mr. Vinay Sunagar for their concern and helping nature during the years of my research.

I would like to express my thanks to Mr. Ravi S. Chavan and Mr. S. Shiva Kumar, PG Dept. of Studies in Botany K.U.D. for helping in the evaluation of the biological activities of our compounds. I wish to record my sincere thanks to RSIC, IIT Bombay, IISc Bangalore, CDRI Lucknow, RSIC Chandigarh, IICT Hyderabad and staff, USIC, K. U. Dharwad, for their help in getting analytical and Spectral data.

I want to place on record my sincere thanks to all my research colleagues. Also I thank Dr. Saleem M. Desai, Dr. R. B. Chougale, Dr. Nirmala N. Halligudi, Mr. C. P. Kathari, Mr. P. D. Pol and my bahujan friends Dheemans. Balu P. Vardha Raju, Savakar. S. Kamble, Rajeev S. Kamble, C. N. Koligudde, Guru Kale, Sadashiv S. Kamble, Musthaq Ahmed for their considerable attitude and helping nature during the years of my research.
I am extremely grateful to Prof. Dayanand Mane, Prof. Y. M. Madar and Prof. Shivarudra K. Kallolikar for motivating me to carry out this project work.

I sincerely thank Prof. A. M. PuttaswamyGowda, Principal, Yuvaraja's college, Mysore and Dr. K. A. Padmaji, Head of the Department of Chemistry and Food science for their keen interest in the progress of this investigation.

I would like to express my special thanks and gratitude to the following persons whose timely help made it possible to complete the present investigative study.

- Mr. K. Ajay Kumar and Mr. K. B. Umesha, Lecturers in Chemistry, Yuvaraja's College, Mysore.
- Mrs. B. S. Sudha and Miss. Shaukath Ara Khanum, F. I. P. Teacher, research scholars Dept. of Chemistry Manasa Gangotri, Mysore for proof reading of the thesis.

I thank, Mr. Sangappa Y. Halabhavi, Mr. V. Shanmugam, Dr. S. R. Krishnamurthy, Mr. M. L. Umashankar and Dr. B. M. Venkatesha for their help. My thanks are also due to those who helped me directly or indirectly to complete this work.

I acknowledge with gratitude the kindness of Dr. G. S. Kalkundri for his encouragement at every stage in the research work.

My grateful thanks to my uncles Mr. M. S. Kamble, Sericulture Inspector, Belgaum Division, Mr. C. R. Vinayak, Asst. Dir., Central Intelligence Govt. of India who gave me so unselfishly help and time.
It would be incomplete without expressing my deep and heartfelt thanks to my brother-in-law Mr. Shiladhar Y. Mugali, Lecturer, PG Dept. Of studies in History and Archaeology, Karnataka University, Dharwad for who showed constant encouragement and affection.

On this threshold of my achievement, I would like to convey my unending gratitude to my parents whose blessings, sacrifice and moral backing made this endeavor of mine a reality. The sacrifices made by my elder brother Sadashiv, uncle Shankar and younger sisters Rashmi and Anu are acknowledged with a sense of everlasting gratitude.

Finally, I am extremely grateful to Karnataka University Dharwad for awarding me the research fellowship to carry out the present work.

Date: 04-10-2001

Ravindra R. Kamble