ACKNOWLEDGEMENT

First and foremost, I am thankful to the Almighty for granting health, strength and blessings, throughout my course to pursue my goals.

It is with deep sense of gratitude and respect, I would like to express my appreciation and thanks to my esteemed teacher and guide, Dr. M.V.S.S.T. SubbaRao, Professor of Cellular and Molecular Biology, Center of Excellence in Molecular Biology and Regenerative Medicine (CEMR) Laboratory, Department of Biochemistry, for his guidance and scholarly inputs, valuable advice, invariable support, patience and motivation during the pursuit of my research work.

I would like to express my gratitude and sincere thanks to my co-guide, Dr. H. Basavanagowdappa, Professor of Medicine and Principal, JSS Medical College and Hospital, Mysuru for his kind support and valuable suggestions, and for allowing me to avail the college facilities during the present study.

I express my special thanks and gratitude to Dr. Basappa, Professor, Department of Chemistry, University of Mysore for his support and valuable help in synthesis, characterisation and molecular docking, of the novel synthetic molecules.

I wish to thank Doctoral Advisory Committee (DAC) Member Dr. Ravishankar Rai, Professor and Head, Department of Microbiology, University of Mysuru for his concise comments and constant encouragement.

I wish to express my thanks and gratitude to Dr. M.N. Suma, Professor and Head, Department of Biochemistry, and Dr .Prashanth Vishwanath Professor and Former Head, Department of Biochemistry for permitting me to avail the CEMR laboratory facilities during the present study.

I would also like to express my gratitude and sincere thanks to Dr Jayanthi MK., Professor and Head of Pharmacology and all my colleagues for their kind co-operation and support.

I am thankful to Research Scholars Mr. B. Venugopal Reddy, Mr. Prashanth, Dr. Preethi G. Anantharaju, Ms Asha Jose and Mr. Anshu Kumar Yadav, Mr Praveen Kumar HD and laboratory Staff of CEMR Laboratory, Department of Biochemistry for all support and timely help throughout the course of my study.

I would like to dedicate this work to my husband Dr Thippeswamy T, my children Ram Naren and Prathyusha and my parents for their constant support.

Finally, I express my gratitude to all those who have directly or indirectly helped me in completing this research work.

Date:  
Place: Mysuru

Dr. Prathima C.