Acknowledgements

“Thus far has the Lord helped us.” - 1 Samuel 7:12

At times our own light goes out and is rekindled by a spark from another person. Each of us has cause to think with deep gratitude of those who have lighted the flame within us. It gives me immense pleasure to thank everyone, on my way to the success.

At the outset, I deem it a rare opportunity to pronounce my deep sense of gratitude to the tutelary, Dr. S.M. Aradhya, Scientist, Department of Fruit & Vegetable Technology, Central Food Technological Research Institute, Mysore, for his exemplary guidance and for giving me the chance to learn and challenge the new things. I owe him lots of gratitude for having shown this way of research. He could not even realize how much I have learned from him. His company and assurance at the time of crisis would be remembered lifelong. Besides of being an excellent supervisor, he was as close as a relative and a good friend to me. I am really glad that I have come to get known him in my life.

I extend my special thanks to Dr. S. Rajaratnam, HOD, Department of Fruit & Vegetable Technology, Central Food Technological Research Institute, Mysore, for providing me constant encouragement, co-operation and suggestions. The cooperation I received from other faculty members of this department is gratefully acknowledged. It is an incontrovertible fact that the help I received from Scientists & other staff of our department, directly or indirectly made my task easier.

I express my deepest gratitude to Padmashree Dr. V. Prakash, Director, Central Food Technological Research Institute, Mysore, for providing me an opportunity to work in this esteemed institute and also for moral support.

I would like to thank Dr. S. Divakar, Scientist, Fermentation Technology & Bioengineering Department, Prof. (Mrs.) P.R. Chetana, Bangalore University Bangalore, and Prof. D. Channe Gowda, Department of Studies in Chemistry, University of Mysore, Mysore, for their for their expertise and for the time spent in instructive scientific discussion and operations in isolation and characterization of bioactive molecules.

Also I’m grateful to Dr. T.P. Krishnakant, Scientist, Biochemistry and Nutrition Department, CFTRI, Mysore, for helping me to carry out the platelet-aggregation inhibitory activity studies.

I wish to acknowledge and express my sincere thanks to Scientific Staff, Central Instrumentation Facility, Central Food Technological Research Institute, Mysore, for their help in carrying out instrumental analysis. I also remember the help rendered by scientific staff, Sophisticated Instrumentation Facility, Indian Institute of Science, Bangalore, & Molecular Biophysics Unit,
Indian Institute of Science, Bangalore, in carrying out NMR and LC-MS analysis and is acknowledged.

The work in this project has been greatly supported by my beloved family. I would like to share this moment of happiness with my beloved father and mother and express my sincere gratitude to them. I am grateful to my beloved brother Balazi Prasad for his constant support and also rendering me the sense and the value of brotherhood.

My heartfelt acknowledgement to my wife Aksha, for her prayers, motivation, encouragement unconditional support, care and continual love that she served throughout my research work. One of the best experiences that we lived through in this period was the birth of our son Atishay, who provided an additional joyful dimension to our life. I also would like to thank my fatherinlaw, motherinlaw and Akhil for their care and support.

I extend my special appreciation to Policegoudra for his resourceful help, meticulous suggestions, and scrutiny of my work. And also extend my thanks to his wife and daughter for their cooperation.

Additional energy and vitality for this research was the opportunity to meet many good friends. I cherish the camaraderie of my fellow research scholars of my department and other departments. In particular, I am thankful to Swaroop, Anand, Lakshmisha, Jessie, Shiva, SP Singh, Saravanan, Desai, Mohan, Nagendra, Harsha and Raghu, and whose constant inspiration and support made my work easy. And they made my stay at CFTRI a memorable one.

The episode of acknowledgement would not be complete without the mention of the Council of Scientific and Industrial Research (CSIR), New Delhi, for awarding the Research Fellowship.

Finally, I would like to thank other friends and those who have had an influence on making this thesis possible,

- Siva Prasad, M.