

Acknowledgements

It is indeed a great pleasure for me to express my profound gratitude to the many esteemed personalities who helped me to bring this humble endeavour to its fruitful completion.

I am greatly indebted to Dr. G. Muraleedhara Kurup, Professor in Biochemistry, School of Biosciences, Mahatma Gandhi University, Kottayam, for his expert guidance and constant encouragement given to me during the entire course of study. His active and excellent suggestions were constantly at my disposal.

I would like to avail this opportunity to express my sincere thanks to Dr. Shankar Shashidhar, Director, School of Biosciences, Mahatma Gandhi University, Kottayam, for his genuine interest he took in my work and the gracious help extruded for the smooth progress of my work.

I am thankful to Dr. Ramadasar Kuttan, Dr. Girija Kuttan and Dr. Jose Padikala, for providing me cell lines and other study materials for my work.

I owe my deep sense of gratitude to Prof. (Dr.) Balaram, Mr. H. N. Gopi (Research Associate), and Mr. S. S. Lal (Research Associate), Molecular Biology Unit, Indian Institute of Science, Bangalore, for MS, NMR and IR studies.

I acknowledge with deep appreciation the unaccountable help rendered by Mrs. Letha Sukumaran, Dr. Salomy Kunjumon and all my dearest friends. Above all I owe my special thanks to Mr. Jacob Varghese Biboy who helped in all ways for the completion of this thesis.

I am thankful to each and every member of the teaching and non-teaching staff of School of Biosciences, Mahatma Gandhi University, Kottayam, for the help extended during my work.

My special thanks to the staff of Central Library, Mahatma Gandhi University, for their intense help in collecting my references from different sources.

My thanks are due to M/s Copy Write, Ettumanoor, for word processing and photocopying of this work.

Words are but a few to express the deep appreciation to my Parents, other family members and well wishes for their indispensable encouragement and support and also for the many sacrifices they have made for me.

I am indebted to The Almighty without whom, my research has never been completed.

Jayashree G.