ACKNOWLEDGEMENT

I bow in reverence of, The mighty God, the Lord, whose wonderful blessings enabled me to complete this work successfully.

I take this opportunity to express my profound gratitude and heartfelt thanks to my guide Dr. (Mrs.) T.V. Poonguzhali, Associate Professor in Botany, Queen Mary’s College, Chennai – 600 004, for suggesting this problem, supervising the work at every stage, for the valuable guidance, unstinted help, sustained encouragement, offering help at the most trying (exhausted) situations and giving definite shape to accomplish the research work in a fruitful manner. I also thank her family members especially her Sweetest Mom R. Lalitha Venugopal and her husband S. Manickavelu daughter Abi and son Surya for their hospitality and ever welcoming smile blooming with encouraging nod of approval whenever I approached her. I also express my swelling heart which over flows with thankfulness for the bountiful benefits received from my professor.

She has been my source of inspiration and confidence due to her commitment to the cause of Science. I could always cherish in my memory, her unfailing help, constructive criticism, motherly affection and instant provision of all that is within her reach and without which it would have been impossible for me to accomplish this stupendous task

A special word of acknowledgement to Dr. R. Banumathy, Head of the Department of Botany, Queen Mary’s College, Chennai for her inspiration and generous support.

I wish to express my grateful and sincere thanks to Principal Dr. R. Akthar Begum, Principal of Queen Mary’s College, Chennai for providing me the opportunity to carry out my research at of Queen Mary’s College, Chennai. I also thank her for the laboratory facilities provided.

I record my gratitude to Dr. S.Chandra, Former Head of the Department of Botany, Queen Mary’s College, Chennai for and for supplying the requirements for my research.
I wish to express my special gratitude and appreciation to Principal
Dr. (Tmt.) V. Kanthimathi  Former Principal of Queen Mary’s College, Chennai.

My sincere thanks to Doctoral committee members
Dr. T. V. Poonguzhali – Guide and Supervisor, Dr. R. Banumathy – Recognised Guide, Dr. S. Karpagam – Recognised Guide and Dr. R. Dhamotharan – Recognised Guide for their valuable suggestion, encouragement, support and help throughout the work.

My deep thanks go to Prof. V. Krishnamurthy who provoked my fascination and introduced me to the exciting world of Phycology. I am very grateful for his never-ending enthusiasm, hours of interesting discussions and his help and support for the whole time. It was a great pleasure privilege and treasure for me.

I am extremely indebted to Dr. Janarthanam and Dr. Sumathi, Poonga Biotech for their able guidance in carrying out the phytochemical studies.

I express my sincere thanks to Prof. R. Rengasamy  Director, CAS in Botany, Maraimalai Campus for his active enthusiastic encouragement and immediate help during my research work.

I am grateful to Mr. R. Sathuvan, Research scholar, CAS in Botany, University of Madras who helped me to isolate and extract polysaccharides from the seaweeds. I am also grateful to Mr. R. Prabhakar, Research scholar, CAS in Botany, University of Madras who helped for spectral studies of polysaccharides.

I will be failing in my duty if I do not share my indebted thanks to the staff members of Botany Department, Queen Mary’s College, Chennai. Dr. A. Thilagavathi, Dr. S. Shanmugavadivu, Mrs. J. Amalorpavam, Dr. S. Shahin Jahan, Dr. Sheela, and Dr. V. Meenakshi Sundaravalli, for their motivation and moral support throughout the research work.
It is my privilege to convey my profound sense of thanks to Lab assistants V. Seeralin, Kothainayagi and Balammal Queen Mary’s College, Chennai – 600 004, for their precious help throughout my project work.

I pay my deep sense of gratitude to my Co-researchers Dr. S. Subhashini, Ms. L.L Josmin Laali Nisha, Ms. K Ramani, Mrs. J. Valentina, Mrs. M.L Sridevi, Mrs. R. Kavitha, Ms. Amala and Ms. Eswari for their timely fulfilling help.

I owe my inexpressible sense of gratitude to my father S. Kathaiah and mother Mrs. K. Muthathal, for their financial support, critical suggestions, encouragement and help offered in providing me every opportunity to succeed in my life and I thank my beloved sister my sister K. Chithraa from my heart and soul for the moral support and encouragement.

(K. Subathraa)