ACKNOWLEDGEMENT

I would like to express my sincere thanks and indebtedness to Dr. V.M Abdul Mujeeb, Professor, Department of Chemistry, University of Calicut, for his guidance and constant encouragement. He not only provides valuable suggestions but is the source of inspiration for me to complete the course of investigation. I am grateful to him for all the ways he was directed me to move forward.

I would express my deep sense of thanks and gratitude to Dr. K. Muraleedharan, Head of the department, Department of Chemistry, University of Calicut for providing necessary facilities to complete the course. I am grateful to him for his valuable suggestions, help and encouragement.

I acknowledge all the faculty members of the department, Department of Chemistry, University of Calicut for their kindness and generosity. I would like to express my gratitude to technical and ministerial staff in the department of Chemistry for their help throughout the course period.

I express my thanks and gratefulness to Mr. Noushad, Ms. Jisha, Ms. Kavitha, Mr. Alikutty, Ms. Ajmala, Ms. Jaseela, Ms. Vijisha, Mr. Mujeeb Rahman and Ms. Shameera, the research scholars of our group for providing me all sorts of help, kindness, love and encouragement whenever needed.

I would also like to acknowledge each of my family members who sacrificed their precious time to provide kind support and encouragement throughout the course period. All of my gratitude and indebtedness comes from the God almighty who blessed me by showering his kindness.

Basila Hassan. O. K.