

ACKNOWLEDGEMENTS

"Feeling gratitude and not expressing it, is like wrapping a present and not giving it."

It is hard to find words to express my gratitude to all who helped me in submitting this thesis in a perfect manner. I am eternally grateful to God almighty for all the blessings showered upon me during this work. I would also like to acknowledge my Guide and my Mentor Dr. Joby Thomas K, who made me capable of realizing my goal. His guidance and support has been amazing and I whole heartedly thank everything he had done for me. He is a teacher whose support, wisdom and warmth will continue to inspire me.

Let me thank my family members for supporting and encouraging me in all dimensions in making my dream a reality, especially my husband Mr. Shaju, my children Franklin and Milin, appachan, amma, my sisters and in-laws.

The support rendered by the St. Thomas College Team - Dr. P.O. Jenson, Principal, all the faculty members of Chemistry Department, especially former Heads of this Department Dr. Babu Joseph and Dr. Joy Anto, Dr. Paulson Mathew, Dr. Sunil Jose. T. and former Lab Assistant Sri. M. P. Varghese has been really high. They served as a light house in my journey towards the completion of this voyage.

I would like to express my deep gratitude for the support and help rendered by my research colleagues Dr. Aby Paul., Dr. Vinod P. Raphael, Dr. Shaju. K. S., Sr. Mareena, Ms. Reeja, Mrs. Sini, Ms. Vidya, Ms. Raghi, Ms. Binsi, Mr. Aji, Mrs. Drishya and Mr. Dinoop.

The motivation rendered by Dr. Francy Kakkassery of the Zoology Dept. of St. Thomas College was really amazing. The help given by Amala Cancer Research Centre, Thrissur was really appreciable. Dr. Ramdas Kuttan was the catalyst for the successful completion of the antitumour studies. The advice given by Dr. Abraham Joseph, his student Mr. Sam John of Chemistry Dept. of Calicut University and Dr. Stanly Jacob of C-MET, Athani, helped me a lot in doing the Corrosion studies.

A memorable support in the completion of this work came from the Bursar of St. Thomas College, Thrissur, Rev. Fr. Martin Kolambrath. Right from arranging the infrastructure and in providing a well equipped laboratory were the real turning point in my work which saved a lot of time and money. I really value the blessings of the former faculty member of Chemistry Department of Calicut University, Prof. Dr. Geetha Parmeswaran, the one who motivated me to do my research in the field of Schiff bases.

I hereby acknowledge the help rendered by the STIC-CUSAT, NIIIST Trivandrum, Mr. Anoop Thomas of IISER Trivandrum in analyzing the compounds, which were really worthwhile to mention. I also thank the staff of CHMK Library and the Chemistry Dept. Library of Calicut University for helping me frame a smooth bibliography. My heartfelt thanks go to Dr. Vinod V. M., Assistant Librarian of CHMK Library who helped me to obtain the Plagiarism check certificate.

Last but not the least, I sincerely thank the hard work of Mr. M. I. Pauly of educare, Thrissur, who did the DTP work for this project.

Nimmy Kuriakose