ACKNOWLEDGEMENT

With humble heart, I place my thoughtful sense of gratitude to Lord Almighty by whose grace, I am able to cross all the hurdles and complete this project venture.

This of all, I would like to thank my guide Dr. G. Annadurai, Associate professor, for giving me the opportunity to study and work under his instruction, for his selfless supervision and assistance, for his valuable guidance, and constant encouragement and discussion for completing this work at Sri Paramakalyani Center for Environmental Sciences.

My thanks goes to Dr. M. Arunachalam, Professor and Head, Sri Paramakalyani Center for Environmental Sciences, Alwarkurichi for his constant encouragement throughout the course of my study.

My sincere thanks Mr. N. Rajkumar Thomas, who often helped me to search for chemicals without hesitation. Mrs. Ponnammal and other non-teaching staffs for their co-operation and timely help rendered during this project.

I wish to record my sincere thanks to K. Paulkumar, R. Arunachalam, S. Rajeshkumar, S. Michael Anto, M. Sivakavinesan, K. Chitra, C. Malarkodi, M. Vanaja, G. Ganajobitha, P. Karthiga, M. Malini Research scholars of Environmental nanobiotechnology division who helped a lot for completing this project work.

Then I wish to express my thanks to Mr. R. Raja Jeya Sekar Assistant Professor ST. Hindu College, Nagercoil. Mr. T. Citarasu Assistant Professor C.M.S.T MS University and Mrs. V. Sujamerlin MCA, MPhil, B.Ed. Who have given me valuable suggestions during the period.

I take this opportunity to extent my sincere thanks to the Farmer Director Nanjil Milk plant Fr. S. K. Jose Robinson, Present Director, Fr. Maria Rajendran for permitting me to take up this project in Nanjil Milk plant.

I also express my thanks to Mr. M. Christal Bino System Admin Bethlehem Institute of Engineering who helped me to complete the project.
I would thank Mr. Murganantham for his help and encouragement.

I thank CIF Pondicherry, VIT Vellore, for providing the facility of SEM, FTIR, DSC and TGA.

I am very grateful to my beloved parents Mr. S. Singarajan Rtd. Teacher, (Malayalam Pandit), Mrs. C. Kamalam Rtd. Teacher (MA, B.Ed) who have given me the full support and facility to do the work in a very good manner. I wish to thank my family members, relatives and friends for their constant encouragement throughout the period of work.

S. K. Edwin Gladson