Acknowledgement

Each day offers us the gift of being a special occasion if we can simply learn that as well as giving, it is blessed to receive with grace and a grateful heart.

Thanksgiving is a virtue of mankind and fortunate are the ones who receive this opportunity to express their gratitude. Let me take this opportunity to begin at the very beginning, by thanking the Lord Almighty for leading me to this juncture whereas I am able to pen-down my sincere gratitude to each and every person who has contributed towards the achievement of this milestone in my life.

In humble submission I would like to begin by thanking the most revered and important person, my mentor and guide, Professor Tamishraha Bagchi, Head, Department of Microbiology, for accepting me as his graduate student. The journey thereon has fructified into this compilation. Words fail me in expressing my deepest sense of gratitude for all that you have taught me in your own way, which at times was misunderstood and deeply regretted. You will always be a very dear Teacher and an even cherished leader and mentor. Thank you for believing in me even at times when my self-belief had failed me, and also for the immense patience and perseverance throughout the tenure of this work. It has been a truly memorable journey with you TEACHER.

My sincere thanks to Prof. B.B.Chatto, Co-ordinator Biotechnology, whose encouragement and timely help has helped me towards completion of my work. Thank you for the magnanimity extended to me in letting me use facilities at your lab.

I would also like to express my utmost gratitude to all my teachers starting from my schooldays to my graduation. I thank Prof. Shah, Prof. Anjana Desai, Prof. Chhatpar, Prof. Rao, Prof. Pilo, Dr. Nair, Dr. Chandani, Dr. Manjrekar, Dr. Gayatri, Dr. Nerurkar, Dr. Ingle, Dr. Vyas, Farida madam, Devkar sir, Nancy madam, for all their encouragement and blessings. I am and shall remain indebted to each one of my teachers for inculcating in me the values of true-learning.
LIFE at the lab is the most nostalgic and cherished of moments in my life and it would never have been the same without the fabulous companionship of all my labmates. A big thank you to Marpe Bam fondly called Charlie and Sandeep Gaudana aka Sandy. You guys ROCK!! Thanks for all the memorable times at the lab and our days together are greatly missed. Need to express my sincere appreciation of your love and respect, by thanking Sandy and my very dear Akkey boy (Akhilesh), for cheerfully doing all the running around for the administrative nitty-gritty, on my be-half.

Thanks are also due to all the junior researchers at the lab, Parul, Abhik, Prabha and Kedar. Thank you for all your help and support and all the very best for all your future endeavours.

I wish to extend a special word of thanks to all my seniors in the research fraternity at the department, from whom I have learned immensely. Also thanks to all the juniors for a very healthy work environment.

I would also like to acknowledge the help extended by Dr. S.K. Rana, NDBB, Anand and by Dr. Vinay Tergaonkar, National University Singapore. Your timely help has contributed to the successful completion of this work. The financial support received from the Council of Scientific and Industrial Research, Government of India is duly acknowledged.

Thanks are also due to all the non-teaching staff at the department and a very special mention of thanks, to Nairbhai, Vargheesebhai and Niteshbhai, for their support during the times of administrative deadlock and also for the pleasant and kind words of encouragement. I also wish to thank the entire staff at the Faculty of Science and the University Office for their co-operation and help.

I could possibly never ever acknowledge enough, this one very dear friend of mine who has stood by me always. Thank you Hatim, my forever friend, you are one of my most cherished possessions in life, and I shall be ever grateful for that. I thank Zenobia and Yaasin for their love and encouragement.

I would like to thank my family, my elder sister Joja my jeeju Jiju Abraham and my darling nieces Michu and Sheryl, my dear younger brother, Jollan, my bhabhi Shobha and my superstar nephew Ahaan.
You guys are all super cool and I love you all freight-loads. Thank you guys for being the FAMILY we are.

I am very grateful to my dear loving husband and my in-laws. I thank Mummy and Daddy for all their love and encouragement. Thank you, Jeancha, for sharing my life with me and partaking in all sorrow and happiness. I thank you from the bottom of my heart, for your immense love and support, for our darling kids, Austin and Annette, and for everything that makes us.

Lastly and in no measures the least, how could I possibly thank the Almighty enough, for the immense blessings that He has showered upon me, by blessing me with such loving and supportive incarnations of His self, my parents. I thank Papa and Mamma for their unconditional love and support all through my life. I am and in all humility shall remain forever indebted.

-Geoby (George) Jean Thomas