ACKNOWLEDGEMENT
**Acknowledgements**

Finally, it has come to one of the best steps to complete this study. It has been a long and tough journey and I am grateful to many people who provided the supervision, direction and assistance to enable me to reach this destination.

A good start is half way through the journey of success and the first person whom I like to express my gratitude, is of course my supervisor, Prof. (Dr.) Biswajit Mukherjee, gave me a good start to inspire me on choosing the research topic for my thesis. He was the one who led me into the wonderful world of nanotechnology. He is like the navigator who led me surfing into the nano-world, and yet would remind me to jump out from the nanoworld to see the macro view. With his guidance and supervision, be it zoom in all the way to the nano-world, or zoom out all the way to macro view, I would never lose the right direction to complete my journey.

I hereby extended my sincere thanks to Indian council of medical research (ICMR), New Delhi, India for providing me funding facilities.

To all the lab team members at the Pharmaceutics laboratory, Department of pharmaceutical Technology, Jadavpur University, thank
you so much for helping me in one way or another working together in the labs, as well as the experiments at the Animal Holding Unit.

Those dissertation experiences were definitely one of the memorable parts in the course of my research.

To my dearest parents and all my friends, thanks for being so understandable and giving continuous support in all possible ways. I could concentrate on my research and thesis because you have shared my daily life through thick and thin and made me worry-free when my life was filled with research and thesis.

Last but not least, I owe my gratitude to all of you who have helped in my thesis, and life.

RUMA MAJI