ACKNOWLEDGEMENTS

At this momentous occasion of completing my dissertation work I would like to appreciate and cherish the contribution of all those benevolent people with whom I have been blessed to associate. All the data collection, experimental work would have failed to serve their purpose for me if blessings of God would not have joined hands with my efforts.

I hereby acknowledge with deep gratitude the co-operation and help given to me by all the members of Shoolini University of Biotechnology and Management Sciences in completing my M.Phil. research work. I’m extremely thankful to organization of university for providing me all the chemicals to perform various experiments.

I express my heartfelt thanks to Prof. Sunil Puri, Dean, Department of Basic Sciences, Dr. Deepak Pathania, Head of Chemistry Department for providing me the opportunity of doing my M.Phil. project.

I offer my humblest words of thanks and would like to express my deepest gratitude to my guide Dr. Amit Kumar for his admirable human guidance, constant encouragement, indispensable suggestions and constructive criticism during the course of investigation and novel dexterity in sculpturing this manuscript. I’m also thankful to others members of Department of Chemistry, who guided me frequently and helped me a lot by providing valuable knowledge during my study period. Their guidance during my stay in Department has done countless addition to my knowledge. The affectionate blessings they have given me can never be forgotten.

It is the privilege to offer my sincere gratitude to Ms. Pooja Dhiman who actually helped me sincerely in finalizing this dissertation. I express my sincere gratitude to my seniors and lab attendants from this university for their timely help. Most importantly, none of this would have been possible without the love and patience of my family. I express my deepest admiration to my dear parents Mrs. Sonia Thakur and Mr. Dhanbir Thakur for their unconditional love, encouragement, understanding and dedication throughout the work and the support to reach this position in my life. They have been constant source of love, concern, support and strength all the time. My sincere thanks are due to my sister Kanika for her timely help, emotional support, valuable suggestion and love, which is always unlimited. Thanks for being my strength always.

Last but not the least, I express my heartfelt thanks to my friends for their constant encouragement and affectionate company.

Samriti Thakur