ACKNOWLEDGEMENTS

All praise is due to GOD, the almighty, the most beneficent, the most merciful, who bestowed upon me the courage, patience and strength to embark upon this work and carry it to completion. I express my thanks to GOD and bow my head before him in gratitude.

I feel great pleasure to express my deep sense of respect and sincere gratitude to Dr. Ali Mohammad, Chairman, Department of Applied Chemistry, Z. H. College of Engineering & Technology, Aligarh Muslim University, Aligarh, under whose efficient guidance and supervision, this work has been completed. His encouragement and attention at every stage of my research career provided me spirit to complete this study.

I express my heavy debt of gratitude towards Prof. H. S. Rathore, Emeritus Fellow, Department of Applied Chemistry, Z. H. College of Engineering & Technology, Aligarh Muslim University, Aligarh, for the fruitful suggestions, encouragement and providing necessary facilities to complete the work successfully.

I am highly indebted to Prof. Ksrwaja Ishratullah, Deputy Director, Indian Institute of Chemical Technology, Hyderabad, for his kind co-operation, useful suggestions and instrumental facilities during the course of this research work.
My sincere thanks are due to Dr. Javed Mussarat, Dean, Department of Microbiology, A.M.U., Aligarh, for providing facilities for the fungicidal studies of some samples synthesized by me.

Co-operation from each and every member of teaching and non-teaching staff of this Department is gratefully acknowledged. I am also thankful to my lab colleagues, friends, brother and sisters for their cooperation and timely help. Special mention must be made of my spouse Dr. Amit Kumar for his enthusiastic help at all stages throughout my work.

Finally, it is my most sincere acknowledgement and reverence to my loving parents for providing me constant encouragement and moral support, which smoothens my path during my research work for the award of Ph.D degree.

Charu Varshney

Mrs. Charu Varshney