ACKNOWLEDGEMENT

The task of acknowledging the immense debt of gratitude which one owes to so many is perhaps the most pleasant aspect of writing a thesis. It indeed gives me immense pleasure in thanking those who helped me to complete this work.

Words alone are inadequate to convey my deep sense of gratitude to my respected teachers and guide Dr. J.P. Yadav, Reader, Department of Bio-Sciences for his affectionate guidance and incessant inspiration at all the stages of this work. Without his valuable guidance this work, could not have seen the light of day. His enthusiasm, analytical outlook and constructive criticism contributed a lot in presenting this work in its present form. I shall former consider it a privilege to have worked under him.

I render my sincere thanks to Dr. K.V. Shastry, Head, Department of Biosciences, Dr. Ravi Parkash, Dean Department of Biosciences, M.D. University, Rohtak for my research work.

I am extremely grateful to teachers and staff of this department for their valuable suggestions,
generous help and encouragement at different stages of this work.

It's a matter of delight to convey my thanks to my labmates Mr. Suresh Kumar & Miss Suman Lata for their all time cooperation in the Laboratory, valuable suggestions, constructive criticism throughout the present research work. Thanks to all my other colleagues Jyoti, Usha for their encouragement, time to time help and moral support during this study. I am also thankful to all non-teaching staff of this department for their cooperation during this work.

I also owe my pious duty to express my gratitude to my parents without whose blessing I could not have completed my research work. They have been a constant source of inspiration to polster my moral in my academic pursuits. I am thankful to my brothers Vikram, Raju, Sonu, sister Manju for their help during the course of study. Words are not enough to express my gratitude to each of them.

I am also thankful to Mr. Gaurav Sehgal for the efficient word processing of this thesis.

Last but not least, I offer my regards to all the benevaluents who assisted me in whatsoever way, to complete this endeavor.

(Meenakshi Sahu)