Acknowledgement

“Research is the customary faith of new truths to begin heresies and to end as superstitions”. Working on a research project needs guidance, support and encouragement.

Though words are seldom sufficient to express gratitude and feelings, it somehow gives me an opportunity to acknowledge those who helped me during the tenure of my study. At the behest of completion of my work, words do not justify the feelings that I hold in my heart. I candidly hope that I manage to express my gratitude to all my well-wishers.

No venture can be initiated and completed without the blessings of the Almighty God, so first and primarily I acknowledge the Supreme God, for his support and care throughout my life. I am highly thankful to His blessings for providing me enough zeal that enabled me to complete my work successfully.

I am extremely grateful to my supervisor Prof. Vineeta Shukla, Head, Department of Zoology, M. D. University, Rohtak and my co-supervisor Prof. Promod Mehta, Centre for Biotechnology, M. D. University, Rohtak, for their valuable guidance, support and encouragement during the course of this research. Under their guidance, I successfully overcame many difficulties and learned a lot. I feel extremely privileged for their instructions and mentoring without which the completion of this work would not have been possible.

It is my proud privilege to express my sincere thanks and gratitude to Prof. P.K. Jaiwal, Dean, Faculty of Life Sciences and Dr Minakshi Sharma, former Head, Department of Zoology, Maharshi Dayanand University, Rohtak, for providing necessary facilities to carry out this research work.

The most important part of my acknowledgment is for two people whom I cannot thank enough even if I want to, my parents Sh. Kapoor Singh and Smt. Bimla Devi. Their unconditional love, support which has always seen me through ups and downs. My parents, who have guided me holding my hands through all lessons of
life and made me strong enough to compete in this world. I am grateful to teaching, non teaching staff and Ph. D scholars of Department of Zoology for their perpetual support in my research project.

It's a matter of diligence to convey my thanks to Nidhi Khatri for her all time cooperation in the laboratory and statistical work and valuable suggestions.

I am thankful to my dear friends Navdeep Rose for his moral support in my research work.

I may have forgotten a few names but, I am thankful to all of them who have contributed in the completion of this project. Thanks a lot.

Pradeep Kumar