ACKNOWLEDGEMENTS

The present research work would have been impossible without the wholehearted cooperation and encouragement from many individuals.

At this moment I am short of words to express my deepest sense of gratitude and indebtedness to my revered and respectable supervisor Dr. V.I. Sharma, Reader, Department of Zoology, Bipin Bihari (P.G.) College, Jhansi (U.P.) for his guidance, incessant encouragement and deep concern about my welfare. I highly appreciate his humanistic and friendly attitude which helped me to overcome the stress of scientific dilemmas. I am really grateful for his perpetual interest, invaluable suggestions, creative ideas, constructive criticism and meaningful guidance which led to the successful completion of the thesis.

It gives me a great pleasure to thank Smt. Shanti Sharma, for her encouragement and cordial treatment during the course of my research work.

I owe the deepest sense of gratitude to Dr. V.P. Singh, (Principal, T.D. College, Jaunpur) and Dr. M.C. Kahchan, Principal, Bipin Bihari (P.G.) College, Jhansi (U.P.) for being kind and considerate in allowing me for research work in the Department of Zoology.

I am also grateful to Dr. A.B. Gupta, head of Zoology Department for providing me necessary facilities required for my research work.
I pay my sincere regards to my ideal teachers Dr. A.K. Srivastava, Dr. O.P. Yadav and Dr. S.K. Dubey for providing me essential knowledge which helped me in compilation of my thesis. I also express my feelings of gratitude towards my respected teachers Dr. A.S. Gurudev, Dr. R.C. Gupta, Dr. Hemant Kumar, Dr. (Mrs.) S.F. Siddiqui, Dr. (Mrs.) Kaneez Zehra, Miss Amita Kannozia and Rajesh Bilgaiyan for their help and best wishes.

I will be failing in my duty if I will not accord my sincere thanks to Shri R.K. Chaturvedi, Retd. lab assistant, Shri Mukesh Sujauriya, Lab assistant, Shri Bhavani Prasad, Lab boy, Shri Ram Dayal Pal, Shri Mustaq Kshan and Shri Rakesh Tirwari for their help during experimental work.

This goal would not been achieved without the cooperation of my colleagues, Dr. Reetesh Kumar Khare, Mr. Vivek Kumar Sahu, Mr. Saurabh Shreshth, Mr. Aditya Narayan Singh and my Senior Dr. Shalini Sharma.

I also pay sincere regards to Dr. S.N. Zadu, Dr. Malviya and Dr. Pankaj Kaushal (Senior Scientists), I.G.F.R.I. for allowing me to use their cytogenetic lab for microscopic photography of the slides and their cordial and helpful nature during the visits.

I am deeply beholden to my friends, Navanshu, Naveen, Sandeep, Nitesh, Abhishek, Pranay, Ashish, Sanjay, Dr. T.K. Sharma, Brajesh and Rajeev for their precious well wishes and encouragement.
I found no words to express my hearty feeling towards my family members specially my father Shri M.D. Yadav and mother Smt. Sheela Yadav for providing me all kind of help which gave me encouragement and a zeal to complete me this project.

With lots of love I wish to thank Ayushi, Shiva, Aman, Yash, Jeet and my wife Preeti for providing me lighter movement during my hard course of research work.

I am heartily thankful to Shri Firoz Khan and Shri Shahjad Beg (Thesis Point, Jhansi) for their competent assistance for efficient typing of the manuscript. I am also thankful to Mr. Dileep Sarkar and Mr. Shanu for their assistance in developing the photographs for this manuscript.

Finally, above all, I bow my head towards the almighty of God who enlighten my path to complete my research work successfully.

Date: 06/03/07

Place: Jhansi

(Vijay Kumar Yadav)