

ACKNOWLEDGEMENT

First and foremost, I would like to express my sincere admiration and reverence to my esteemed supervisor **Dr. (Mrs.) Sudha Dubey**, Professor and Head Department of Zoology, Govt. Holkar Science College, Indore (M.P.) whose expert guidance and uncompromising standard of accuracy, unceasing interest, encouragement, deep understanding of subject and critical reviews made this work a success.

I take it to be my proud privilege to avail this opportunity to express my sincere and deep sense of gratitude to **Dr. Shailendra Sharma**, Principal Adarsh Institute of Management & Science Dhamnod (M.P.) for his stimulating guidance, constructive suggestions, keen and sustained interest and consistent encouragement during the entire period of investigation, critically going through the manuscript and during preparation of thesis.

I feel honoured to thank **Dr. R.K. Tugnawat**, Principal of Govt. Holkar Science College, Indore and **Dr. Sushma Kurde**, Former Prof. & Head. Deptt. of Zoology, Govt. Holkar Science College, Indore (M.P.) for providing necessary facilities for the present research work.

I recorded my deep sense of gratitude to **Dr. D.K. Belsare**, Former Prof. & Head, Deptt. Of Bioscience, Barkatullah University, Bhopal.

I am also thankful to **Mr. G.P. Dubey** Director D.A.C.C.I.T. Private Limited Indore for their Kind and valuable piece of advice.

I thanks are also due to **Dr. Rekha Sharma, Dr. Asha Pal** and **Dr. Ram Prajapati** Professor of Zoology Department, Govt. Holkar Science College, Indore (M.P.) for there constant encouragement. I express my sincere gratefulness of **Dr. M.M.P. Shrivastava**, Exam Controller and Professor of Zoology, **Dr. Anisuddin siddiqui** Professor and Head Department of Biotechnology and **Dr. Santosh Gaherwal**, Asstt. Professor of Zoology Department, Govt. Holkar Science College, Indore (M.P.) who has encouraged and guided me time to time.

I am thankful to **Mrs. Manisha Sharma** Asstt. Professor of Political Science Adarsh Institute of Management & Science Dhamnod for their Co-operation.

I bow my head in extreme regards to my affectionate parents **Smt. Prembai Chaurasia** and Late **Shri. Deendayal Chaurasia**, My Brother **Mr. Raja ram Chaurasia**, and **Mr. Surendra Kumar Chaurasia** and My Didi and Jija Ji **Mrs. Laxmi Bai Chaurasia**, **Mr. Khem raj Chaurasia**, **Mrs. Kranti Chaurasia**, **Mr. Permamand Chaurasia**, **Mrs. Ram Devi Chaurasia**, **Mr. Ashok Chaurasia**, **Mrs. Mamta Chaurasia**, **Mr. Ramesh Chaurasia**, **Mrs. Sangeeta Chaurasia**, **Mr. Anil Chaurasia** and My Bhabhi **Mrs. Archana Chaurasia** and **Mrs. Sonika Chaurasia** and Relatives for their unending patience, determinative, motivation, love and encouragement through which I got success at every stage of my life.

I express my heartfelt gratitude to my brother-in-law **Mr. Shashikant Chaurasia** whose encouragement and support have great importance in my life.

I am thankful to **Mr. Prahalad Varma**, Lab Technician Deptt. of Zoology, Govt. Holkar Science College, Indore, for their support during research work. I am thankful to **Mr. Ravindra Singh** for his help in doing typing and printing work and I am also thankful to **Mr. Piyush Dwivedi**, **Mr. Rajesh Kachhwah** and **Mr. Sumit Patait** for their Co-operation.

I am thankful to **Mr. Narendra Billore** Draught's Man W.R.D. Khargone and **Mr. Anil Gupta** Sub Engineer W.R.D. **Khargone** for provide river map and other information of river during research work.

I am thankful to **Mr. Shailendra Rawal** Asstt. Professor of Maths, Adarsh Institute of Management & Science Dhamnod for their Co-operation.

I extend sincere thanks to my friends **Jitendra Bhagore**, **Divy Chhariya Ram Singh Muzhalda**, **Nageshwar Wast**, **Zahoor Pir**, **Imtiyaz Tali**, **Sharad Varma**, **Khushal Birla**, **Tarun Mandloi**, **Nayan Saxena**, **Rajendra Chokhare**, **Santosh Solanki** and **Shyam Patel** for his ever willing support, co-operation and help.

I also thank all friends, relatives and any person who directly or indirectly has helped me to complete successfully the work undertaken.

Date: 29/07/2013

Place: Indore

Rhaurasia

(**Mr. Rajendra Kumar Chaurasia**)