ACKNOWLEDGEMENT

I express a deep sense of gratitude to my respected Teacher and Research Supervisor Professor H.S. Patil, (former Chairman), Post-graduate Department of Studies in Zoology, Karnataka University, Dharwad for suggesting the research problem and rendering his valuable guidance, encouragement and constant support throughout the research investigation.

I am thankful to the former Chairman Prof. R.D. Kanamadi and Prof. S.A.Nevagi and the present Chairman Prof. S.K. Saidapur, P.G. Dept. of Studies in Zoology, Karnataka University, Dharwad for availing me the necessary facilities during the course to accomplish this work.

I wish to express a special thanks to Dr. Danial L. Koti, Dr. Y.P. Kallanagoudar (senior colleagues), my friends Mr. D. Vijayshekhar and Dr. M. B. Herimath for their constant encouragement, inspirations and rendering all the possible helps throughout the course.

I avail this opportunity to express my thanks to all the respected teachers, non-teaching staffs and my research colleagues for their kind co-operation during my Ph. D course.

Finally, I owe my profound sense of gratitude and reverence to Mr. Larry (Lawrence) Emler, Ms. Tica Louise Broch and my elder brother Mr. Tsering Dhondup, whose good will, constant inspiration, unstinting moral and financial supports and patience far exceeds what the words of appreciation can express.

Pasang Dhondup