

## ACKNOWLEDGEMENTS

I wish to express my heartfelt gratitude and indebtedness to my respected supervisor Prof. Joydeb Pal, Department of Zoology, North Bengal University for providing the valuable guidance, suggestions, encouragements and facilities during the course of the present study.

I am grateful to the University Grants Commission, Kathmandu for providing the fellowship for the Ph. D. study. In the same way, I would like to express my thanks to the Dean, Institute of Science and Technology, Tribhuvan University, Kathmandu and the Campus Chief of Post Graduate Campus, Biratnagar for study leave.

I would like to express my sincere thank to Prof. A.K. Chakraborty, Prof. D.C. Deb, Prof. A. Mukherjee, Dr. T.K. Choudhury, Dr. S. Barat and Dr. M. Bahadur for their valuable suggestions and encouragements throughout the course of research work. Thanks are also due to my research colleagues Subash Chandra Raut, Prithivi Raj Jha, Arindam Das and Sumanta Bagchi for being so kind to provide support during the study period. Further, I extend my sincere thanks to all the staff members of Zoology Department, North Bengal University for their kind cooperation.

I am grateful to Dr. Bharat Raj Subba, former Head, Department of Zoology, Post Graduate Campus, Biratnagar for providing literature, identification of animals, and some photography. I am also greatly obliged to Dr. Sasinath Jha, Reader in Botany, P.G. Campus, Biratnagar for the identification of plants and many valuable suggestions. I am grateful to Mr. Arjun Baral, Lecturer, Post Graduate Campus, Biratnagar for statistical analyses and continuous encouragements in the completion of the thesis. Similarly, I am grateful to Dr. Kalu Ram Rai, Reader in Zoology, Mechi Multiple Campus, Jhapa for the identification of herpetofauna.

Thanks are due to Prof. Dr. R.B. Thapa, Dr. Min Raj Dhakal, Dr. Tej Narayan Mandal, Mr. Sushil Kumar Jha, Mrs. Indra Mani Bhagat, Mrs. Puspa Kumari Mishra, Mr. Shiva Kumar Rai, Mr. Bhavindra Niroula, Mr. Kul Prasad Limbu, Mr. Saligram Adhikari, and Prakash Kumar Yadav of Zoology and Botany Departments of Post

Graduate Campus, Biratnagar for their support and help in completing the thesis. Also, I wish to express my sincere thanks to Kamala Mishra, Kamal Acharya, Sudheyswor Yadav, Dharma Adhikari and all non-teaching staff members of Zoology and Botany Departments, P.G. Campus, Biratnagar for their help in laboratory works.

I would like to express my sincere thank to Dr. Tritha Man Maskey (Director of National Parks and Wildlife Conservation Department) for granting me permission to carry out the research work in the Koshi Tappu Wildlife Reserve. Thanks are also due to Wardens, Rangers and all the staffs of Koshi Tappu Wildlife Reserve for their kind co-operation during my field visits.

I would like to express my sincere thank to Mr. Dharendra Karna for assisting in field works and laboratory works.

I thankfully acknowledge the invaluable help of Krishna Lama of Biratnagar for statistical analyses and computer works, Deepak Karkee of Biratnagar for photo scanning and some literature, Yatra Thulung of Tarhara for photography of birds, Raj Kumar Singh of Kushaha for providing accommodation during my field visits in Koshi Tappu Wildlife Reserve and Bridi Lal Sardar of Kushaha for assisting in field works.

I am extremely thankful to my father Mr. Yak Raj Thapa, mother Krishna Kumari Thapa, elder brother Mr. Kamal Thapa, wife Sambriddhi Thapa, son Dikshant Thapa and all my family members for their sacrifices, supports and encouragements in completing this study. Finally, I dedicate this work to my grandfather late Ratna Bahadur Thapa and grandmothers, Kamala Thapa and Dirghamaya Thapa for their eternal love and inspiration.



**Damodar Thapa Chhetry**