ACKNOWLEDGEMENT

I thank God almighty for His grace and guidance in completing this thesis successfully.

I am deeply indebted to my Project Supervisor, Dr. Juliet Vanitharani, Associate Professor and Head, Zoology Department and Research Centre, Sarah Tucker College, Tirunelveli for the guidance and assistance provided throughout this extensive course of action from study design to completion of this manuscript. I am also grateful for all her constant and consistent encouragement, valuable implications and diligent appreciation. I am beholden for all her contributions of time, thoughts and outstanding supervision to make my research work inspiring and industrious. The ecstasy and enthusiasm she has exposed for this investigation was bountiful and endorsement for me, even at tough times.

I extend my honest thanks to Dr. Jasmine Mathialagan, Principal, Sarah Tucker College, Tirunelveli for the kind permission and consent to carry out my research work at Bat Research Laboratory, Sarah Tucker College, Tirunelveli and for providing facilities to carry out this project. I am also indebted to all the teaching and non teaching staffs of Zoology Department and Research Centre, Sarah Tucker College, Tirunelveli for their kind help-out, influence and co-operation.
I am immensely thankful to the Tamil Nadu Forest Department for granting me special permission to succeed my research work. Special thanks to the then Chief Conservator of Forest, Field directors, Deputy Directors and Range officers of Mundanthurai, Kalakad and Ambai range for the stipulation of safeguard and guidance during my study in the interior of all the research stations in the forest cover at Kalakad Mundanthurai Tiger Reserve (KMTR).

I am massively thankful to the Titley scientific company, Pettersson, Elektronik, for the contribution of bat detectors. I also express my thanks to the collaborators of Bat Research Laboratory from Greenwich University and Harrison Institute, UK and also for the Acoustic training accomplished by them. My special thanks to Dr. Nikky Thomas, Scientific Officer, Harrison institute, UK for the extensive assistance and technical advice on the use of ‘Bat Sound’ software throughout this study and for species identification and skull measurements. I would also like to acknowledge Tanja Straka, Australian Research Centre for urban ecology, University of Melbourne, Australia for the technical advice on ‘Analook W’ software to analyze the activity pattern and also for the precious deliberations and negotiations for this project.

Thanks are also due to fellow researchers Mercy and Petchiammal for the good companionship and kind collaboration and timely help throughout my field work.

I also express my thanks to the field assistants Kumar, Balamurugan and Amalraj for their guidance and constant support to navigate in forest interior and imperative help during the tenure of my research.
I express my legitimate thanks to Aunty Jeyaseeli and Uncle Thomas Ponraj for their blissful prayer support, kind apprehension and inspirational counseling all the way through my cram.

I present my obliged thanks to Dr. Anandakumar, for his eliteful help in language correction of the thesis.

I proffer my special indisputablethankfulness to my life partner Mr. G. Israel Jebakumar, my son Shalom, my daughters Jebi and Sharon for their cheerful adjustments, indefatigable help and delicate concern made throughout the study period, without whose support this research would have been impossible.

I owe my sincere thanks to “Laser computers” for their prompt and precise preparation of this dissertation.

I also wish to thank all those people who honestly or obliquely provided me a helping hand for the accomplishment of this research programme productively.

Place:
Date:

Selva Ponmalar