

ACKNOWLEDGEMENTS

I would like to thank **Prof. Dr. K.-H. Zessin** for accepting me as his student. I wish to thank sincerely **PD Dr. P.-H. Clausen** for his support, guidance and for correction of the thesis. I am grateful to **Prof. Dr. E. Schein** and his staff for the support I received during my stay at the Institute for Parasitology and Tropical Veterinary Medicine, Freie Universitaet Berlin. I also want to thank **Dr. M. N. Kyule** for assisting me in data management and analysis, and critically reviewing the thesis. Special thanks go to **Dr. B. Bauer** for assisting me during my field study.

I would like to thank sincerely **Prof. Dr. Stanny Geerts** for the support and intellectual stimulation that I received from him and his collaborators, **Prof. Dr. Peter Van Den Bossche, Dr. Vincent Delespaux, Dr. Tanguy Marcotty** and **Dr. Justin Masumu** during my stay at the Institute of Tropical Medicine, Antwerp.

My sincere thanks go to **Prof. Dr. Andre Zoli** from the University of Dschang for his help and advice.

I would like to thank the Ministry of Livestock Husbandry and Fisheries. My personal thanks go to **Dr. Dawa Oumarou** for his commentary, to the chief of MSEG **Dr. Hamadama Hassan** for his advice and field guidance and to **Dr. Moussa Yaya, Mr Nassou, Souyoudi Aboubakar, Abah Samuel and Haman Tizi** for field help. I am also grateful to the Director of Lanavet **Dr Abdoukadiiri**, and his collaborators **Dr. Zoyem Norbert, Dr. NDamku, Golsias Dahirou Babi**, for the cooperation I received during my research work at the National Veterinary Laboratory.

I also want to thank my field collaborators, the Master students **Dr. Bourdanné, Mbahin Norbert, Tanenbé Clara** and **Andrikaye Jean Pierre**. I wish them all the best for their future careers.

My sincere thanks go to the traditional chief les Lamibés de **Almé, Galim-Tignere, Lompta, Gadziwan, Kontcha** and to the cattle breeders of the Faro and Déo division whose freely giving me their time, effort and animals and trust in the hope of a better future for their

families and their communities. My special thanks go to **Alhadji Malam Moustapha**, **Alhadji Ardo Sadjo** and cattle breeders organization **UGICETA** and **UDEFAD**.

I owe thank to my friends **Sadou Babanguida** and **Che Francis** for the safety drive during my field study. The friendship and company of **Abdoulahi Malam**, his wife and children made my stay in Mayo baléo especially unforgettable, thank you for everything. Great thanks go to my brother **Hamidou Abdouraouf** and sister **Hadja Oumoul**.

I would like to thank **Macha**, **Dina** and **Ute**. I will never forget your advice and encouragement who gave me the reason to go on, even during difficult time.

I would like to thank **Betina** and my son **Léon-Amadou** also my father **Abdoulmoumini** for their encouragement and help.

The Adamaoua Trypanosomosis project, including this PhD, was financed by the **Flemish Interuniversity Council (VLIR)**, Belgium. I am extremely grateful to VLIR for granting me the scholarship to carry out this study.