ACKNOWLEDGEMENTS

Firstly, I would like to express my sincere gratitude to my supervisor, Pn. Edah Mohd Aris for her patience throughout my thesis writing-up. Pn. Edah’s advice, support and interest has been enormous over the many years this thesis has taken to complete. Thanks to Pn. Edah who has shared my enthusiasm for the topic to publish research papers pertaining to my study; she had given me a good support and encouragement throughout my course.

I am indebted and wish to express my sincere gratitude to my co-supervisor Dr. Nazni Wasi Ahmad for her advice, encouragement, support and help during this study. Thanks also for her constructive criticism of this manuscript; without her support and encouragement this project would not have been possible.

I also acknowledge the technical support of the Medical Entomology Unit staff of Institute for Medical Research, namely Azahari Abdul Hadi, Hidayati Hamdan, Tengku Rogayah, Mustami and Ezhar Abbas for providing relevant information and helpful advice on the culturing of Aedes and Culex mosquitoes. Special thanks to Azahari Abdul Hadi who had provided toxicological information and methods to conduct experiments; and helped to guide me whenever I had difficulties in experiments.

My sincere thanks to Dr. Lee Han Lim, the head of the Medical Entomology Unit, Institute for Medical Research for allowing me to use Entomology lab facilities throughout this study.
My heartfelt gratitude to Emeritus Professor Dr. Yong Hoi Sen who had spent his valuable time for me despite of his busy tasks to elucidate on how to interpret the gel pattern results in more simpler and understandable manner.

My sincere thanks to Associate Professor Dr. Zulkarnain and all the molecular genetics lab mates who had allowed me to use their facility to take photographs of the gels for my further analysis and documentation.

My grateful thanks to all my family members and friends (too many to list here but you know who you are!) for unfailing support and encouragement throughout this study.

This project would not have been possible without the financial support and research grants funded by University of Malaya Vote-F research grant F0151/2003C and F0126/2004D.

Lastly, I would like to dedicate this thesis for my beloved younger sister, Logeshwary who had been very caring and supportive to me throughout my life, she was passed away a few months ago during the time when I was busy doing the final touch up for this thesis writing-up.