ACKNOWLEDGEMENTS

I express my deep sense of gratitude and thankfulness to my guide Dr. Y. Hari Babu, i/c. Professor and Head, Department of Veterinary Microbiology, Veterinary College, Bidar, University of Agricultural Sciences, Dharwad, for his able guidance, continuous motivation, constructive suggestions, immense patience, generous forbearance and impeccable gentleness.

I express my sincere thanks to Dr. Suresh. S. Honnappagol, Director of Instruction (Vety), Veterinary College, Bidar, for his inspiring valuable help, critical comments and constant encouragement during course of my study.

I take pleasure to thank all my colleagues at Veterinary College, Bidar, who have helped me to complete this endeavor, especially Dr. D. G. K. Rao, Professor & Head, Pathology; Dr. V. Ramakrishna, Professor & Head, Anatomy; Dr. S. M. Usturge, Professor & Head, Surgery; Dr. K. M. Gadre, Associate Professor, Anatomy; Dr. B. V. Shivaprakash, Associate Professor, Surgery; Dr. D. Dilipkumar, Assistant Professor, Surgery, Dr. Ashok Powar, Assistant Professor, Anatomy; Dr. Basavaraj Awati, Assistant Professor, Microbiology, Dr. Ramachandra V., Assistant Professor, Animal Nutrition; Dr. M. M. Appannawar, Assistant Professor, Animal Genetics and Breeding; Mr. M.D. Suranagi, Assistant Professor, Statistics and Mr. S. M. Kartikesh, Assistant Professor, Biochemistry.

I dedicate this space to express my wholehearted thanks and gratitude to my wife Mrs. Razia Rashida Parveen, (Ph.D, Botany) for having worked with me both in the laboratory and during survey of literature for this thesis, apart from bearing my absence at home in odd hours during my research work.

This acknowledgement could never be complete without the mention of two of my friends Dr. M. M. Shakeel, Resident Medical Officer, Princess Esra Hospital, Hyderabad (Presently- Resident Medical Officer, Sharjah), for his critical review of the plan of my research work and inspiring me to test the effect of carbamates on cancer tissue and Dr. (Mrs.) Naseem Shakeel, Research Associate, Owaisi Hospital and Research Centre, Hyderabad, for giving me hands on training on various aspects of animal cell culture and helping me in the analysis.

I heartily express my gratitude to my beloved parents, Mr. A. H. M. Rahmatullah and Mrs. Farhat Jahan for their good wishes and blessings.

I sincerely acknowledge the permission granted to me, by the University of Agricultural Sciences, Dharwad to carry out part-time research work at Veterinary College, Bidar.

(MOHD. AMANULLAH)
DEDICATED TO

*      *      *

THE ALMIGHTY – GOD

PARENTS

TEACHERS

AND WIFE