

ACKNOWLEDGMENT

*“In the Name of ALLAH, Most Gracious, Most Merciful”
and prayers and peace upon our prophet MOHAMMED (PBUH)*

Initially, I am the most grateful to ALLAH by the grace of whom the present work was realized.

*I owe this unique opportunity to place on record my deep sense of gratitude, appreciation and indebtedness to my guide and supervisor **Ass. Prof. Dr. Sameh Mohamed Mohamadi AbdelGhani**, Associate Professor of Microbiology and Immunology, Faculty of Pharmacy, Beni-Suef University for his kind help, Keen supervision, prudent suggestions and infinite support along my work.*

*I would like to express my everlasting thanks to **Ass. Prof. Dr. Ahmed Samir Khairalla**, Associate Professor of Microbiology and Immunology, Faculty of Pharmacy, Beni-Suef University for his suggesting of the point of research, great support, continuous encouragement and timely advice during my work.*

*I am deeply thankful to **Dr. Ahmed Farag Azmy AbdelAziz**, Lecture of Microbiology and Immunology, Faculty of Pharmacy, Beni-Suef University for his great support, tolerating my mistakes in research, suggestions in solving problems throughout this study and great help in writing and revising this thesis.*

*I am also gratefully acknowledge to **Dr. Haithum Saeed AbdelAziz Saedawy**, lecture of clinical pharmacy, Faculty of Pharmacy, Beni-Suef University for his great help in statistical analysis, ceaseless encouragement and wholehearted help during this study.*

*I am also indebted and thankful to **my colleagues, staff members and to all technicians** for their friendly cooperation.*

*I am also thankful to **Faculty of Pharmacy, Beni-Suef University**, for the rich educational experience and financial support.*

Mahmoud Alaa Eddin Fouad AbdelRazik