ACKNOWLEDGEMENT

No amount of verbiage can ever adequately express my indebtedness to my guide Dr. J. Paulraj Joseph, Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli but for whose invaluable guidance, inspiration, constant encouragement and deep involvement in every stage, this thesis would never have been possible.


My special thanks is due to Prof P. Swamy Dhas, Professor and Head of the Department of Mathematics, NMC college, Marthandam who has been a source of encouragement in my life. I gratefully acknowledge the kind encouragement I received from our principal and our college secretary.
I am grateful to the Vice-chancellor Dr. K. Chockalingam, Manonmaniam Sundaranar University, and all authorities for providing necessary facilities during my visit to the University Library for reference.

I also thank Dr. S. Arumugam, Professor and Head, Dr. P. Thathabai Nowroji, Dr. T. Tamizh Chelvan, Dr. S. Somasundaram and Dr. R. Kala, Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli for their valuable suggestions.

I thank my wife Mrs S. Jaya Gini, my children G. Merry Jebin G. Merry Jebisha, for their love and concern.

Above all I must thank the almighty without whose grace nothing is possible for me.

N. Gnana Dhas.