## ACKNOWLEDGEMENT

I am deeply keholden to my esteemed teacher Dr. Kulkarni, S. R. Department of Mathematics, Willingdon College, Sangli who guided this research work. This work is a result of able guidance and motivation by Dr. Kulkarni, S. R. Above all, to me he has been a constant source of inspiration and encouragement. I firmly believe that this work would not have been complete but for his help.

I sincerely acknowledge my indektedness to Prin. Agashe, K. M. ex-principal, Willingdon College, Sangli and also the prevailing principal Dr. Patil, B. A., for their keen interest in kuilding up my career ever since my student-ship in the late seventies. I am grateful to them for their encouragement.

My thanks are also due to Prof.Gogate, R.V., Head of the Department of Mathematics, Willingdon College, Sangli and my departmental colleagues for their cooperation.

My grateful thanks are also due to Dr.L.Radhakrishanan, Professor and Head of the Department of Mathematics, Shivaji liniversity, Kolhapur for his timely help.

Now I take this opportunity to thank Likrarian, Mr. Raste, 4.3., Willingdon College, Sangli and also Likrarian, Shivaji University, Kolhapur for providing better likrary facilities.

I express my deeply felt sense of gratitude to my lovable brother and sister for their support and encouragement, my heartiest thanks are also due to my ambitious wife for her never failing encouragement and inspiring research attitude.

Finally I thank M/s. Ashok Typing Bureau, Sangli for their patience, excellent typing and xeroxing well in time.

( NAIK, U.H. )