## ACKNOWLEDGEMENTS

I have a great pleasure to record my deep sense of gratitude and indebtedness to my guide Dr.B.B.Waghmode, Reader, Department of Mathematics, Shivaji University, Kolhapur for his inspiring guidance and constant encourage ment during the preparation of this dissertation. I take this opportunity of acknowledging my sincere feelings of gratitude and respect for his valuable help throughout the present work.

It is pleasure to acknowledge Dr. L.Radhakrishna, Professor and Head of the Department of Mathematics, Shivaji University, Kolhapur for providing the Departmental facilities for this work.

My thanks are also to the teaching and nonteaching staff of the Department of Mathematics, Shivaji University, Kolhapur for their encouragement and inspiration during the period of work.

Lastly my thanks are also due to Shri Kumbhar for his expert typing with meticulous care.

