ACKNOWLEDGEMENT

I am immensely happy and proud to express my deep sense of gratitude and hearty thanks to each and every one, who helped me during my research work. My guide and my teacher Dr. S. S. Bhoosnurmath, Professor of Mathematics, Department of Post Graduate Studies in Mathematics, Karnatak University, Dharwad is the spirit behind all this research work. I could not have completed this without his proper guidance and unfailing encouragement throughout this period. For this I am indebted to him forever. I am very grateful to you Sir, for all that you have done to me.

I sincerely thank all my teachers Prof. N. M. Bujurke, Professor and Chairmen, Department of Post Graduate Studies in Mathematics and Computer Science, Karnatak University, Dharwad, Prof. V. A. Hiremath, Prof. (Mrs) P. S. Neeralagi(Rtd), Dr. S. S. Benchalli, Dr. B. Basavanagoud for their encouragement and providing me all the necessary facilities during my research work.

My parents are constant source of inspiration and encouragement to achieve something in my life. Words are inadequate to show my feelings towards them, who made me what I am today.

Also, I wish to thank my sister, my relatives and well-wishers who helped me directly or indirectly to complete the thesis.


Dharwad

A.G.Puranik