Acknowledgement

I express my heartfelt thanks to my esteemed guide and supervisor, Dr. E. Thandapani, Reader in Mathematics, Periyar University, Salem, Tamilnadu, India. Though just by words I can’t match his personality, I am indebted to say that he is an eminent, dynamic, diligent and a man of high caliber with a vision and determination. His inspiring and inimitable encouragements, ingenious zealous help, invaluable and innovative suggestions helped me a lot during the period of my research and also in the preparation of the thesis.

I devote my sincere and humble thanks to Dr. G. Balasubramanian, the Registrar, Periyar University, Salem, Tamilnadu, India, for motivating and enlightening me to a great extent.

I am extremely grateful to the Management, the Principal, and faculty members of the Department of Mathematics, Sri Sarada College for Women (Autonomous), Salem, for their enthusiastic words and
continuous encouragement to carry out this research activity.

I appreciate and thank the Librarians of (i) Institute of Mathematical Sciences, Chennai, (ii) Ramanujan Institute for Advanced Study in Mathematics, Chennai, (iii) Indian Institute of Technology, Chennai, and (iv) Periyar University, Salem, who readily and willingly came forward to help me in this endeavor.

I sincerely thank Mr.P.S.Raja and Dr.I.M.Arockiasamy, P.G. Assistants, Little Flower Higher Secondary School, Salem for their valuable technical assistance in the preparation of the thesis.

Above all, I sincerely thank God Almighty and pray that He may shower His Blessings upon all those who have helped during the period of my research.

B.PONNAMMAL