ACKNOWLEDGEMENT

It is my humble and sincere duty to express a deep sense of gratitude to Late Dr. S. V. More (Professor, Department of Mathematics, Government Institute of Science, Nagpur) and Dr. S. K. Panchal (Associate Professor, Department of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad), for their inspiring and valuable guidance, constructive criticism, keen interest and ever willing readiness for discussion, during the preparation of this thesis.

I am grateful to Government of Maharashtra for providing the financial support through “Junior Research Fellowship” during initial period of this research work.

I express my sincere thanks to the Professor and Head, Department of Mathematics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, & Director, Government Institute of Science, Aurangabad and Nagpur, for extending all research facilities to me during the tenure of my research work.

I am thankful to all faculty members and non teaching staff members of the Department of Mathematics, Dr. B.A.M.U. and Government Institute of Science, Aurangabad and Nagpur, for their kind cooperation.

Thanks are due to my friends and fellow scholars for their constant support during the tenure of my research work.

Of course, I am grateful to my Mother and Father, Pushpa and Govind Tandale, without their encouragement, moral support, understanding and patience, this work would never have came into existence. I would be failing in my duty if I do not acknowledge my family members Nilesh, Brijesh, Nimisha, and wife Geetanjali along with kids Ruchir & Chinmayi for their support during the tenure of my research work.

Date: 23 August 2013
Place: Aurangabad

Madhusudan G. Tandale