

APPENDIX

I. LIST OF PAPERS PUBLISHED (IN PDF)

1. Lattice discretization Approach to nonlinear differential equations 116-122
2. Long wave length soliton solutions of Navier Stokes equation (Chap 4).. 123-127
3. Long wave length Tanh soliton solution of KdV (Chap 5)..... 128-130
4. Long wave length Tanh soliton solutions of Sine Gordon equation (6)... 131-133
5. Soliton in Nonlinear Optical Lattices (Chap7)..... 134-137
6. Long Josephson junction in Magnetic Field (Chap 8)..... 138-140
7. Vortex solitons in Poly-Acetylene (Chap 9)..... 141-145
8. Soliton solution of the unperturbed Sine-Gordon and perturbed Sine-Gordon equation (Chap 10)..... 146-149

II. INTERNATIONAL CONFERENCES ATTENDED AND PAPERS PRESENTED

1. International Conference on Algebra, Geometry, Analysis and their Applications (ICAGAA-14) conducted by Department of Mathematics Jamia Millia Islamia New Delhi, November 27-29, 2014 and presented a paper titled, “Long Wave Length tanh Soliton Solutions of Sine Gordon Equation”
2. International Conference on Mathematical Modelling and Computer Simulation conducted by Department of Mathematics IIT Madras December 8-10, 2014 and presented a paper titled, “Long Wave Length tanh Soliton Solutions of KdV Equation”
3. CCP2015 XXVII IUPAP Conference on Computational Physics organized by at IIT Guwahati, Dec 5-7, 2015 and delivered a contributory talk on “**Vortex Solitons in Poly-acetylene**”
4. International Conference on Applied and Mathematical Models ICAMM 2016 Coimbatore, Tamil Nadu, Jan 5-7 and presented the paper titled, “**Soliton Solution of the Unperturbed Sine-Gordon and Perturbed Sine-Gordon Equation**”
5. Attended NORTH EAST GRADUATE CONGRESS -2016 organised by USTM