Department of Mathematics
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Dr. Md. Asraful Alom
Professor
Research Area Pure Mathematics

Biography

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Education

Doctor of Philosophy
Rajshahi University,Bangladesh(2014-2017)
Thesis Title: Studies on Gauss-type Proximal Point Methods for Solving Generalized Equations
Master of Philosophy
Khulna University of Engineering & Technology,Bangladesh(2010-2012)
Thesis Title: Approximate Solution Techniques for Fourth Order Nonlinear Ordinary Differential Systems
Master of Science
Rajshahi University,Bangladesh(2002-2003)
Thesis Title: Homology and Co-homology of Groups
Bachelor of Science (04 Years Honours)
Rajshahi University,Bangladesh(1998-2002)
Higher Secondary School Certificate
Aminur Rahman College, Mohammadpur, Magura,Bangladesh(1995-1996-1997)
Secondary School Certificate
Balidia High School, Mohammadpur, Magura,Bangladesh(1993-1994-1995)

Service Records

- **Professor**
  Department/Section: Mathematics
  Khulna Khan Bahadur Ahsanullah University *From 01-01-1970 to 01-01-1970*
  Working Area:Teaching
- **Professor**
  Department/Section: Mathematics
  Bangabandhu Sheikh Mujibur Rahman Science and Technology University *From 01-01-1970 to 01-01-1970*
  Working Area:Teaching
- **Professor**
  Department/Section: Mathematics
  Khulna University of Engineering & Technology *From 01-01-1970 to 01-01-1970*
- **Associate Professor**
  Department/Section: Mathematics
  Khulna University of Engineering & Technology *From 01-01-1970 to 01-01-1970*
- **Lecturer**
  Department/Section: Mathematics
  Khulna University of Engineering & Technology *From 01-01-1970 to 01-01-1970*
- **Asst. Prof./Assoc.Prof./Professor**
  Department/Section: Mathematics
  North Western University *From 01-01-1970 to 01-01-1970*
  Working Area:Teaching
- **Assistant Professor**
  Department/Section: Mathematics
  Khulna University *From 01-01-1970 to 01-01-1970*
  Working Area:Teaching
- **Assistant Professor**
  Department/Section: Mathematics
  Khulna University of Engineering & Technology *From 01-01-1970 to 01-01-1970*

Research Interest

Pure Mathematics
Optimization, Computational Mathematics, Numerical Functional Analysis, Nonlinear Differential Equations, Homology and Cohomology og Groups

Publication

Books

Journals

13. (2023) , " Stability Analysis of Modified General Version of Gauss-type Proximal Point Method for Solving Generalized Equations Using Metrically Regular Mapping," ***Asian Journal of Mathematics and Computer Research***, vol30, no.2, pp.38-52

12. Alom,A. , Rahman,Z. , Gazi,B. and Hossain,I. (2023) , " Modification of the Convergence of GG-PPA for Solving Generalized Equations," ***Journal of Applied Mathematics and Physics***, vol11, no.1, pp.260-275

11. Alom,M. A. , Hossain,I. , Gazi,M. B. and Kundu,E. (2022) , " Solving Smooth Generalized Equations Using Modified Gauss-type Proximal Point Method," **Applied Mathematics**, vol13, no.6, pp.523-537

10. Alam,F. and Alom,M. H. R. a. M. A. (2017.) , " On the Local Convergence of Regula-falsi-type Method for Generalized Equations," **J. Advances in Applied Mathematics**, vol2, no.3, pp.115-126

9. Alom,M. A. and Rashid,M. H. (2017.) , " General Gauss-type Proximal Point Method and Its Convergence Analysis for Smooth Generalized Equations," **Asian Journal of Mathematics and Computer Research**, vol15, no.4, pp.296-310

8. Alom,M. A. and Rashid,M. H. (2017.) , " On the Convergence of Gauss-type Proximal Point Method for Smooth Generalized Equations," **Asian Research Journal of Mathematics**, vol2, no.4, pp.1-15

7. Alom,M. A. and Dey,M. H. R. a. K. K. (2017.) , " Uniform Convergence of the General Version of Gauss-Type Proximal Point Method for Metrically Regular Mappings," **British Journal of Mathematics & Computer Science**, vol20, no.4, pp.1-13

6. Alom,M. A. and Dey,M. H. R. a. K. K. (2016.) , " Convergence Analysis of General Version of Gauss-Type Proximal Point Method for Metrically Regular Mappings," **J. Applied Mathematics**, vol7, no.11, pp.1248-1259

5. (2012.) , " Approximate Solution of Fourth Order Near Critically Damped Nonlinear Systems with Special Conditions," **J. Bangladesh Academy of Sciences**, vol36, no.2, pp.187-197

4. Uddin,M. A. and Ullah,M. A. A. a. M. W. (2012.) , " An analytical approximate technique for solving a certain type of fourth order strongly nonlinear oscillatory differential system with small damping," **Far East Journal of Mathematical Sciences (FJMS)**, vol67, no.1, pp.59-72

3. Ali,L. E. , Alom,M. A. , Yeasmin,S. and Arif,A. P. a. M. G. (2011.) , " ON SUMMABILITY OF A QUADRUPLE FOURIER SERIES," **J.Mech.Cont. & Math. Sci.**, vol6, no.1, pp.806-824

2. Haque,B. M. I. ,Rahman,M. A. A. a. M. H. and ,(2011.) , " "Perturbation Solution of Fourth Order Critically Damped Oscillatory Nonlinear Systems",", vol 11, no.3, pp.68-77

1. Alom,M. A. ,Rahman,M. H. and Akbar,B. M. I. H. a. M. A. (2011.) , " Perturbation Technique for Analytical Solution of Fourth Order Near Critically Damped Nonlinear Systems," **International Journal of Basic & Applied Sciences**, vol11, no.1, pp.81-87

Conference