

**CURRICULUM VITAE
OF
S. M. RAYHANUL ISLAM**

CURRENT STATUS

RESEARCH FELLOW, SCHOOL OF CIVIL ENGINEERING
CENTRAL SOUTH UNIVERSITY, HUNAN, CHINA.
AND
ASSISTANT PROFESSOR (ON STUDT LEAVE)
DEPARTMENT OF MATHEMATICS
PABNA UNIVERSITY OF SCIENCE & TECHNOLOGY (PUST)
PABNA-6600, BANGLADESH.



CAREER OBJECTIVE:

Now, I am Doctoral students in Central South University, China. After finished this program, looking for a post-doctoral or research position in the field of Structural Engineering, Nonlinear Partial Differential Equations or Mathematics Physics in any reputed University or institution of the World, where I will exploit my potentiality, malleability, and skills to do something innovative and share my knowledge for the sake of mankind.

RESEARCH INTEREST:

- Structural wind engineering
- Bluff body aerodynamics
- Flow measurement and its control
- Investigation of optical and soliton solutions of the nonlinear PDEs
- Nonlinear dynamics in optics and fluids
- Mathematical Physics

PUBLICATIONS:

1. **Islam S. M. R.**, Khan K. and Woadud K. M. Abdul Al (2017): Analytical Studies on the Benney-Luke Equation in Mathematical Physics, *Waves in Random and Complex Media*, DOI: 10.1080/17455030.2017.1342880, **SCI, SCIE, Scopus, IF-3.223.**
2. **Islam S. M. R.** (2015): Application of an Enhanced (G'/G)-Expansion Method to Find Exact Solutions of Nonlinear PDEs in Particle Physics, *American Journal of Applied Sciences (Science Publications)*, Vol. 12, No. 11, pp. 836-846.
3. **Islam. S. M. R.**, Khan. K. & Akbar M. A. (2015): Exact solutions of unsteady Korteweg-de Vries and time regularized long wave equations, *Springer plus (Springer Publication Ltd.)*, 4, 124, March. DOI 10.1186/s40064-015-0893-y, **Scopus, IF-0.982.**
4. Khan. K., Akbar. M. A. & **Islam. S. M. R.** (2014): Exact solutions for (1+1)-dimensional nonlinear dispersive modified Benjamin-Bona-Mahony equation and coupled Klein-Gordon equations, *Springer plus (Springer Publication Ltd.)*, 3, 724, December, **Scopus, IF-0.982.**
5. **Islam. S. M. R.**, Khan. K. & Akbar M. A. (2014): Study of exp (G'/G)-Expansion Method for Solving Nonlinear Partial Differential Equations, *British Journal of Mathematics & Computer Science (Science Domain)*, Vol. 5, No.-3, pp. 397-407.
6. **Islam S. M. R.** (2015): The traveling wave solutions of the cubic nonlinear Schrodinger equation using the enhanced (G'/G)-expansion method, *World Applied Sciences Journal*, Vol. 33, No. 4, pp. 659-667.

7. **Islam S. M. R.**, Ali M. S., Islam M. S. and Khan K. (2015): Traveling Wave Solutions for the Foam Drainage Equation and the Enhanced (G'/G)-Expansion Method, *International Journal of Scientific Engineering & Technology*, 4(8): 426-431.
8. **Islam. S. M. R.** (2015): Applications of the $\exp(G'/G)$ -Expansion Method to Find Exact Traveling Wave Solutions of the Benney-Luke Equation in Mathematical Physics, *American Journal of Applied Mathematics (Science Publishing Group)*, 3(3):100-105.
9. Ghosh. B. C., **Islam. S. M. R.** and Mamun. M (2015): Empirical Evidence of Climate Change: Effects on Rice Production in Bangladesh, *International Journal of Geology, Agriculture and Environmental Sciences*, Vol.3, Issue.1, pp.1-6, February.
10. Mamun. M., Ghosh. B. C. and **Islam. S. M. R.** (2015): Climate Change and Rice Yield in Bangladesh: A Micro Regional Analysis of Time Series Data, *International Journal of Scientific and Research Publications*, Volume 5, Issue 2, pp. 1-8, February.

CONFERENCE PAPER:

1. **Islam. S. M. R.**, Khan. K. & Akbar M. A. (2015): The Enhanced (G'/G)-Expansion Method Applied to the Coupled (1+1)-Dimensional Broer-Kaup Equations, 1st International Conference on Mathematics and its Applications. Mathematics Discipline, Science Engineering and Technology School, Khulna University, Khulna-9208, Bangladesh.

REVIEWER IN REPUTED INTERNATIONAL JOURNALS:

- Journal of Ocean Engineering and Sciences (Elsevier)
- Waves in Random and Complex Media (Taylor and Francis)
- International Journal of Applied Mathematics and Theoretical Physics (Science PG)
- American Journal of Applied Mathematics (Science PG)
- American Journal of Applied Sciences (Science Publications)

EDUCATION QUALIFICATION:

- A. Doctor of Engineering (On Going)
School of Civil Engineering
Central South University
Hunan, China.
- B. Master of Science (M. Sc.) in Mathematics (One Year, Physical Thesis Group)
University of Rajshahi, Rajshahi, Bangladesh.
Results: First class (87.12%)
Passing Year: 2010 (Examination held in 2011, Due to Session Jam).
Major Courses: Mathematical Modeling and Population Dynamics, Aerodynamics, Water Waves Mechanics, Geophysical Fluid Dynamics, Biomathematics, Computational Fluid Dynamics, Astrophysics.
Medium of Instruction: English.
- C. Bachelor of Science (B. Sc.) in Mathematics (Four Years)
University of Rajshahi, Rajshahi, Bangladesh.
Results: First class (68.56%)
Year of Passing: 2009 (Examination held in 2010, Due to session Jam).
Medium of Instruction: English.

CAREER EXPERIENCE:

- A. Assistant Professor (1st Sep 2015 to continue)
Department of Mathematics
Pabna University of Science & Technology (PUST)
Pabna-6600, Bangladesh.

- B. Lecturer (1st Sep, 2013-31 Aug, 2015)
Department of Mathematics
Pabna University of Science & Technology (PUST)
Pabna-6600, Bangladesh.

MEMBERSHIPS:

- Life Time Member of Bangladesh Mathematical Society, Dhaka, Bangladesh.
- Honorable Member of Badalgachi Students Welfare Association, University of Rajshahi, Rajshahi, Bangladesh.

SCHOLARSHIP & AWARD:

- University Full Scholarship from the Central South University, China.
- A F Mujibur Rahman Scholarship and Gold Medal Award, A F Mujibur Rahman Foundation, Dhaka, Bangladesh.
- University of Rajshahi (RU) merit Scholarship during undergraduate studies.
- Got Shah Makhdum Hall Talent Award, Rajshahi University, Bangladesh for good result in B.Sc. (Hons).
- Achievement Award 2014, Badalgachhi Students Welfare Association (BSWA), University of Rajshahi, Rajshahi, Bangladesh.

COMPUTER SKILLS:

- MS Word (Word Processing), MS Power Point (Presentation preparation), MS Excel.
- FORTRAN 90, MAT LAB, SPSS, C, and MAPLE 13.

LANGUAGE:

- Bangla (Mother Tongue)
- English (Fair)

RESEARCH AUTHOR ID (WEB BASED):

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PERSONAL INFORMATION:

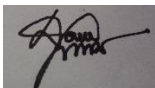
- Name : S. M. Rayhanul Islam
- Father's Name : Md. Ebrahim Khalil
- Mother's Name : Rabeya Sultana
- Mailing Address : Assistant Professor, Department of Mathematics
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Pabna-6600, Bangladesh.
- Permanent Address : Vill-Dewlia, Thana-Badalgachi, P.O.-Badalgachi, Post
Code- 6570, Dist.-Naogaon, Bangladesh.
- Date of Birth : 31st December, 1986.
- Sex : Male
- Passport Number : BN0827261
- Marital Status : Married
- Blood Group : o(+ve)
- Nationality : Bangladeshi (by birth)
- Religion : Islam (Sunni)

REFERENCES:

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