

## Curriculum Vitae of Md. Abdul Kayum

### MAILING ADDRESS

#### MD. ABDUL KAYUM

Lecturer

Faculty of Science & Engineering

North Bengal International University, Rajshahi.

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### CAREER OBJECTIVE

To work in a challenging environment have a strong desire to dedicate me to a position where extensive study, analysis, and innovation are mandatory.

### PERSONAL DETAILS

Date of birth: 09 March, 1995

Nationality: Bangladesh

Marital status: Single

### EDUCATION

Title of awarded qualification:	<b>Master of Science (Thesis Group)</b>
Grading Point Average:	4.00 Out of 4.00 (Marks, "80% and above")
Position:	<b>First</b>
University:	Rajshahi University
Department:	Applied Mathematics
Session:	2017-18
Year of Passing:	2018 (Examination held in April 2019)
Title of awarded qualification:	<b>Bachelor of Science</b>
CGPA:	3.69 Out of 4.00 (Marks, "70% to less than 75%")
Position:	<b>Second</b>
University:	Rajshahi University
Department:	Applied Mathematics
Session:	2013-14 to 2016-17
Year of passing:	2017 (Examination held in February 2018)
Title of awarded qualification:	<b>Higher Secondary Certificate (Science Group)</b>
Result:	GPA 4.70 Out of 5.00 (Marks, "70% to less than 79%")
Institution:	Meherpur Government College
Board:	Jessore
Session:	2010-2011
Year of passing:	2012
Title of awarded qualification:	<b>Secondary School Certificate (Science Group)</b>
Result:	GPA 4.50 Out of 5.00 (Marks, "70% to less than 79%")
Institution:	Karamdi Secondary High School
Board:	Jessore
Session:	2008-2009

Year of passing:

2010

## ACADEMIC ACHIEVEMENTS

- **National Science and Technology (NST) Fellowship** (2019-20), Ministry of Science and Technology, Government of the People's Republic of Bangladesh

## RESEARCH INTEREST

- Analytic Solutions of Differential Equations
- Nonlinear Dynamics
- Mathematical Physics

## LANGUAGE and PROFESSIONAL SKILLS

- Language: Mother tongue- Bangla. Fluent in Bangla and full working knowledge in English.
- Communicate easily.
- Can manage difficult situation/people.
- Can working teams.
- Computer Skill: Fluent in Microsof Office, C++, Mathematica, Maple and Latex.

## PUBLICATIONS

- **Kayum, M. A.**, Akbar, M. A., & Osman, M. S. (2020). Competent closed form soliton solutions to the nonlinear transmission and the low-pass electrical transmission lines. *The European Physical Journal Plus*, 135(7), 1-20.
- **Kayum, M. A.**, Ara, S., Barman, H. K., & Akbar, M. A. (2020). Soliton solutions to voltage analysis in nonlinear electrical transmission lines and electric signals in telegraph lines. *Results in Physics*, 103269.
- **Kayum, M. A.**, Akbar, M. A., & Osman, M. S. (2020). Stable soliton solutions to the shallow water waves and ion-acoustic waves in a plasma. *Waves in Random and Complex Media*, 1-22.
- Akbar, M. A., **Kayum, M. A.**, Osman, M. S., Abdel-Aty, A. H., & Eleuch, H. (2020). Analysis of voltage and current flow of electrical transmission lines through mZK equation. *Results in Physics*, 103696.
- **Kayum, M. A.**, Seadawy, A. R., Akbar, A. M., & Sugati, T. G. (2020). Stable solutions to the nonlinear RLC transmission line equation and the Sinh–Poisson equation arising in mathematical physics. *Open Physics*, 18(1), 710-725.
- **Kayum, M. A.**, Ara, S., Osman, M. S., Akbar, M. A., & Gepreel, K. A. (2020). Onset of the broad-ranging general stable soliton solutions of nonlinear equations in physics and gas dynamics. *Results in Physics*, 103762.
- **Kayum, M. A.**, Barman, H. K., & Akbar, M. A. (2021). Exact Soliton Solutions to the Nano-Bioscience and Biophysics Equations Through the Modified Simple Equation Method. In *Proceedings of the Sixth International Conference on Mathematics and Computing* (pp. 469-482). Springer, Singapore.

## REFERENCES

Dr. Md. Ali Akbar Professor, Department of Applied Mathematics, University Of Rajshahi. Tel.: +8801729-918835 E-mail: ali_math74@yahoo.com	Md. Asaduzzaman Lecturer, Department of Applied Mathematics, University Of Rajshahi. Tel.: +8801723-644558 E-mail: asaduzzan@ru.ac.bd
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## ACKNOWLEDGEMENT

I hereby declare that the submitted information is true & authentic; I have not concealed any facts or information.

**Signature**

*Abdul Kayum*

**(Md. Abdul Kayum)**