

Md. Habibul Bashar

(B.Sc. in Mathematics & M.Sc. in Applied Mathematics)

Lecturer & Coordinator, Department of Mathematics,

European University of Bangladesh, Dhaka-1216, Bangladesh.

Email: habibul.bashar@eub.edu.bd, hbashar27.1273@gmail.com

Mobile: +8801733171819

This is Md. Habibul Bashar. Currently, He is working as a **Lecturer**, Department of Mathematics at **European University of Bangladesh**. He has just completed his B.Sc. and M.Sc. program in Mathematics and Applied Mathematics from Pabna University of Science & Technology Pabna-6600, Bangladesh. He has completed successfully one year of research work (**M.Sc. Thesis**) on **water wave** under the direct supervision of **Dr. Md. Azizur Rahman** and completed project work on **nonlinear partial differential equation** under **S.M. Rayhanul Islam**. He has a vision to see himself as a **highly efficient executive of a dynamic organization where he can utilize his learning, interpersonal skill, analytical ability, and adaptability for further development as well as** will be able to enhance and share his knowledge in the field of **Computational and Applied Mathematics** for the sake of mankind. Already, He has made some world-class research on his preferred applied branches of mathematics that are published in high impact factor, **Q1, Q2, Scopus** related journals. For your kind consideration his research information's are given below:

Research Project:

1. The M.Sc. project entitled “**A study on the surf zone wave**” is supported and funded by National Science and Technology (NST) under the Ministry of Science and Technology, Government of the People's Republic of Bangladesh.

Published Papers:

1. **Md. Habibul Bashar** S. M. Rayhanul Islam and Saiful Islam, “Exact traveling wave solution of the nonlinear evolution equations by (G'/G) -expansion method in mathematical physics”, IRJNST 2019 E-ISSN: 2581-9038
2. **Mamunur Roshid** and **Md. Habibul Bashar** , “Breather wave and Kinky Periodic wave solution of one dimensional oskolkov equation”, MMEP Sep2019 PP.460-466, <https://doi.org/10.18280/mmep.060319>
3. **Md. Habibul Bashar** and Mamunur Roshid, “Rouge wave solutions of a nonlinear pseudo-parabolic physical model through the advance exponential expansion method”, *International Journal of Physical Research*, 8 (1) (2019) 1-7.
4. Nur Hasan Mahmud Shahen, Foyjonnesa and **Md. Habibul Bashar** , “Exploration on traveling wave solutions to the 3rd-order klein–fock-gordon equation (KFGGE) in mathematical physics”, *International Journal of Physical Research*, 8 (1) (2019) 14-21.

5. **Bashar, M** , Roshid, M . (2020). Exact Travelling Wave Solutions of the Nonlinear Evolution Equations by Improved F-Expansion in Mathematical Physics. Communications in Advanced Mathematical Sciences , 3 (3) , 115-123 . DOI: 10.33434/cams.659225
6. **Md. Habibul Bashar** and S M Rayhanul Islam, “Exact solutions to the (2 + 1)-Dimensional Heisenberg ferromagnetic spin chain equation by using modified simple equation and improve F-expansion methods”, Physics Open, 10.1016/j.physo.2020.100027
7. Shahen NHM, Foyjonnesa, **Bashar MH**, Ali MS, Mamun AA. Dynamical analysis of long-wave phenomena for the nonlinear conformable space-time fractional (2+1)-dimensional AKNS equation in water wave mechanics. Heliyon. 2020 Oct;6(10):e05276. DOI: 10.1016/j.heliyon.2020.e05276.

M.Sc. Thesis Title:

“A study on the surf zone wave”

B.Sc. Project Thesis Title:

“Find the Exact Traveling Wave Solutions of Nonlinear Evaluation Equations Using Enhanced (G'/G)-Expansion Method in Mathematical Physics”

His **M.Sc. thesis** was on Water wave. It is an applied branch of applied and computational mathematics deals with planetary cosmology. This research work is related to simulate and explore the initial configuration of protoplanets. Here his concern is to analyze the initial configurations (Temperature, Density, Mass, and Volume) inside the protoplanet. For this thesis, he got the **National Science and Technology (NST) Fellowship Award 2018** from our Ministry of National Science and Technology, Government of the People’s Republic of Bangladesh.

Nowadays **Md. Habibul Bashar** does research in Mathematical Physics with Investigation of Optical and Solitary Wave Solutions of NPDES, and Astrophysics. He is open to doing collaborative researches with other groups or individuals.

You can find him in the following links:

ResearchGate: https://www.researchgate.net/profile/Habibul_Bashar

ORCID ID: <https://orcid.org/0000-0002-0734-1487>