

Curriculum Vitae of **SHERAJUM MONIRA**

Address: Sir P.J. Hartog International Hall, University of Dhaka,
Dhaka-1000.

Mobile No. : 01515640622, 01794517226

e-mail : sherajummonirakakon@gmail.com



Career Objective:

I have a clear, logical mind with a practical approach to problem solving and a drive to see things through to completion. I enjoy working on my own initiative or in a team. I am eager to learn new skills and have a genuine interest in Mathematics.

Academic Qualifications:

Exam Title	Major	Institute	Result	Passing Year
Master of Science (MS)	Mathematics	University of Dhaka	GPA 3.94/4.00	2020 (held in 2022)
Bachelor of Science (BS)	Mathematics	University of Dhaka	CGPA 3.86/4.00	2019 (held in 2020)
HSC	Science	Govt. Michael Madhusudan (M M) College	GPA 5.00/5.00	2015
SSC	Science	Nengurahat School and College	GPA 5.00/5.00	2013

Job Experiences:

Institute	Designation	Duration
Military Institute of Science & Technology (MIST)	Adjunct Lecturer	10 April, 2023 to present
United International University	Adjunct Lecturer	28 January, 2023 to 8 April, 2023

Awards and Fellowship:

- Science Deans Award 2019 (For B.S. academic result)
- NST (Ministry of Science and Technology) Fellowship, 2021-22.
- Obtained Govt. Honour's Scholarship in BS (Honors) Examination, 2019

Research Experience:

Article:

- ✓ Nepal C Roy, Sherajum Monira, Rama Subba Reddy Gorla, **Buoyancy-driven flow of magnetohydrodynamic hybrid nanofluids in an open cavity with permeable horizontal walls.** Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems (Impact factor: 2.263), 2023. <https://doi.org/10.1177/23977914231151481>
- ✓ Nepal C Roy, Sherajum Monira, **Natural convection of a reacting hybrid nanofluid in an open porous cavity bounded by vertical wavy walls.** International Journal of Numerical Methods for Heat and Fluid Flow (Impact factor: 5.181). DOI: 10.1108/HFF-02-2023-0056
- ✓ Nepal C Roy, Sherajum Monira, **Magnetohydrodynamic natural convection of a reacting hybrid nanofluid in a porous wavy-walled cavity,** Journal of Applied Mathematics and Mechanics, **2023.**

Research Interest:

Fluid Mechanics, Ordinary differential equations, Partial differential equations, Dynamical Systems, Mathematical Modeling in Biology, Data Science, Machine Learning, Artificial Intelligence and Differential Equations.

Programming Skills:

MATLAB, Mathematica, Fortran

Documents Preparation Skills:

Latex, MS Word, MS PowerPoint & MS Excel

Language Proficiency:

- ✓ English: Second Language(Good)
- ✓ Bengali: Mother Tongue (Excellent)

Membership:

- Life Member: Bangladesh Mathematical Society (BMS)

Activities:

- Oral presentation in 1st International Conference on Frontier in Sciences-2022, Faculty of Science, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh.
- Oral presentation in 5th Young Scientist Congress-2022, Bangladesh Academy of Science, Dhaka, Bangladesh.

Personal Details:

Name : Sherajum Monira
Father's Name : Md. Kamruzzaman
Mother's Name : Salma Siddika
Date of birth : 30 November, 1997
Religion : Islam
Permanent Adress : Village-Hayatpur, PO-Nengurahat, Upozila- Manirampur,
District-Jashore, Division-Khulna
Blood group : B+
Marital Status : Married

References:

<p>Dr. Chandra Nath Podder Professor Department of Mathematics University of Dhaka Email: cpodder@du.ac.bd</p>	<p>Dr. Nepal Chandra Roy Associate Professor Department of Mathematics University of Dhaka Email: nepal@du.ac.bd</p>
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Declaration

I hereby certify that the above mentioned information are true and correct to the best of my knowledge.

Sherajum Monira

Date: **12-01-2023**