

# Mst. Asiya Khatun

Assistant Professor, Department of Mathematics,  
Jagannath University, Dhaka, Bangladesh.  
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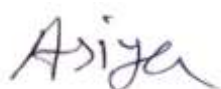
<b>EDUCATIONAL BACKGROUND</b>	Degree	<b>Master of Science (1-year)</b>
	Major	Mathematics
	Year of passing	2011 (Held in 2014)
	CGPA	3.87 (in a 4.00 scale basis)
	Institution	Department of Mathematics
	University	Jagannath University
	Degree	<b>Bachelor of Science (4-year Honours)</b>
	Major	Mathematics
	Year of passing	2010 (Held in 2012)
	CGPA	3.88 (in a 4.00 scale basis) [1 <sup>st</sup> Position]
	Institution	Department of Mathematics
	University	Jagannath University
	Degree	<b>Higher Secondary Certificate Examination (HSC)</b>
	Group	Science
	Year of passing	2005
	GPA	4.60 (with 4 <sup>th</sup> subject)
	Institution	Govt. M. R. Women's College Bogura,
	Board	Rajshahi
	Degree	<b>Secondary School certificate Examination (SSC)</b>
	Major	Science
	Year of passing	2003
	GPA	4.31 (with 4 <sup>th</sup> subject)
	Institution	Fulbari Gamir Uddin Bahumukhi High School.
	Board	Rajshahi
<b>Thesis Experience</b>	<p>“Effects of Variable Fluid Properties and Thermophoresis on Unsteady Forced Convective Flow along a Permeable Stretching/Shrinking Wedge with Variable Prandtl Number and Variable Schmidt Number.”</p> <p>Under the supervision of Dr. Md. Shariful Alam, Professor, Department of Mathematics, Jagannath University, Dhaka, Bangladesh</p>	

<b>PERSONAL DETAILS</b>	Father's Name	Md. Abul Kalam Azad
	Mother's Name	Mst. Hasna Begum
	Permanent Address	Vill: Latimarghon, Post: Nepaltoli, Thana: Gubtoli, Dist: Bogura
	Present Address	Teachers Dormitory, Jagannath University, Dhaka, Bangladesh
	Date of Birth	16/12/1988
	Marital status	Married to Mohammad Mahabubur Rahman
	Blood Group	B+
	Nationality	Bangladeshi
	Religion	Islam
	Languages	English, Bengali (Native language)
<b>Employment Information</b>	<p>Assistant Professor, Jagannath University, Dhaka, Bangladesh</p> <p>19 May 2019-till date</p> <p>Former Lecturer, Jagannath University, Dhaka, Bangladesh</p> <p>02 May 2016 -18 May 2019</p> <p><i>Courses Taught: Advanced Numerical Analysis-I, Advanced Numerical Analysis-II, Methods of Statistics, Differential Geometry, Partial Differential Equations, Hydrodynamics, Math Lab (Mathematica)</i></p> <p>Former Lecturer, Sonargaon University, Dhaka, Bangladesh.</p> <p>04 May 2015- 30 April 2016</p> <p><i>Courses Taught: Differential Calculus &amp; Three Dimensional Coordinate Geometry, Integral Calculus and Differential Equations, Vector Analysis &amp; Matrices, Partial Differential Equations, Series Solution and Laplace Transforms, Complex Variable, Fourier Series and Harmonic Functions.</i></p>	
<b>Research Interests</b>	<ul style="list-style-type: none"> <li>• Computational Fluid Dynamics (CFD)</li> <li>• Heat and Mass Transfer</li> <li>• Magneto hydrodynamics (MHD)</li> <li>• Thermophoresis</li> <li>• Numerical Analysis</li> </ul>	

Supervision	<p><b>Supervision of B. Sc. Hons. Project Students at the Jagannath University, Dhaka.</b></p> <ul style="list-style-type: none"> <li>• <b>Promod Majumder:</b> An overview of Ordinary Differential Equations and its Applications. (Working as a Teacher at Saint Joseph International School, 97 Asad Avenue, Mohammadpur, Dhaka 1207, Bangladesh)</li> <li>• <b>Ashit Kumar Barai:</b> An overview of Ordinary Differential Equations and its Applications.</li> <li>• <b>Md. Zahid Hasan:</b> An overview of Ordinary Differential Equations and its Applications. (Working as an Assistant Teacher at Lalmatia Girls High School, 9/15, Block-D, Lalmatia, Mohammadpur, Dhaka-1207, Bangladesh)</li> <li>• <b>Saiful Islam:</b> An overview of Fourier Transformation and its Application</li> <li>• <b>Asenur Ahmed:</b> An overview of Fourier Transformation and its Application</li> <li>• <b>Abu Saleh Zakaria:</b> An overview of Fourier Transformation and its Application</li> <li>• <b>Md. Shahin Alam:</b> An Insight Study of Fourier Analysis</li> <li>• <b>Pollab Roy:</b> An Insight Study of Fourier Analysis</li> <li>• <b>Prasenjet Sarker:</b> An Insight Study of Fourier Analysis (Working as a Sub-Editor at Ajker Patrika, Dhaka)</li> </ul>
Administration and Service	<ul style="list-style-type: none"> <li>• Serving as a member of different examination committees at both graduate and undergraduate level and various types of programs, held in the Department of Mathematics at Jagannath University, Dhaka, Bangladesh (2016-till date).</li> <li>• Served as a member of different examination committees at the undergraduate level at Sonargaon University, Dhaka, Bangladesh (2015-2016).</li> </ul>
Research and Collaborations	I am collaborating with several researchers from the USA, Oman, and Bangladesh.

<b>List Of Publications</b>	1. Khatun, A., Rahman, M. M., & Alam, S. (2019). Heat Transfer Characteristics of Nanofluid Due to a Permeable Rotating Disk with Slip Effect and Thermophoresis. <i>Science &amp; Technology Asia</i> , 24(1), 1-13. Retrieved from <a href="https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/171194">https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/171194</a> .
	2. M. S. Alam, M. A. Khatun, M. M. Rahman and K. Vajravelu: Effects of variable fluid properties and thermophoresis on unsteady forced convection flow along a permeable stretching/shrinking wedge with variable Prandtl number and variable Schmidt number, <i>International Journal of Mechanical Sciences</i> [published by Elsevier], vol. 105, pp. 191-205, 2016.
<b>Grants and Research Supports</b>	I am awarded the Research Project as the principal investigator of the investigation titled- "Effects of Variable Fluid Properties on Unsteady MHD Convective Flow along a Permeable Stretching/Shrinking Wedge with Internal Heat Generation and Thermophoresis", funded by Jagannath University, Funding Year: July-2018-June-2018, Total amount-Ninety Thousand Tk only.
<b>Affiliations</b>	<ul style="list-style-type: none"> <li>• Bangladesh Mathematical Society</li> <li>• Jagannath University Mathematics Alumni Association.</li> </ul>
<b>Computer Knowledge</b>	<ul style="list-style-type: none"> <li>▪ Office Application Package (MS Word, MS Excel, MS PowerPoint, MS Access)</li> <li>▪ Internet operation –e-mail and web browsing</li> </ul>
<b>Programming Skill</b>	MATHEMATICA, FORTRAN, MATLAB
<b>Some courses are taken in M.Sc.</b>	Dynamical System-I, Differential and Integral Equations-I, Advanced Numerical Analysis-I, Fluid Dynamics-I, Aerodynamics-I, Quantum Mechanics-I, Advanced Numerical Analysis-II, Fluid Dynamics-II, Aerodynamics-II, Quantum Mechanics-II,

<b>Reference</b>	<b>Dr. Md. Shariful Alam</b> Professor and Chairman Department of Mathematics Jagannath University, Dhaka Cell Phone: 01316814344 Email: msalam631@yahoo.com or, dralamjnu@gmail.com
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