

Curriculum Vitae

Name: Rabeya Akter

PhD, Mechanical Engineering.

Saga University, Japan

Designation: Associate Professor

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Personal Contact :

Department of Mathematics

Jagannath University

Dhaka-1100, Bangladesh.

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**Details:****Personal Information:**

Father's Name	: Abdur Rashid
Mother's Name	: Ruby Akter
Permanent Address	: SEL Khandakar villa, Flat No. 2A, 352, Bara Maughbazar, Dilu Road, Ramna, Dhaka-1217, Bangladesh.
Date of Birth	: 24 September 1984
Marital Status	: Married
Nationality	: Bangladeshi (By birth)
Religion	: Islam
Sex	: Female
Blood Group	: B +ve

Academic Qualification:**PhD in Mechanical Engineering**

Graduate School of Science & Engineering

Saga University, Japan

Thesis Title : *Boundary Layer Analysis for Heat and Mass Transfer of Convective Flow in Porous Media*

Thesis Supervisor : Prof. Dr. Akio Miyara

Passing Year and Month: September 2019

M.S. (1-Year) in Mathematics

Department of Mathematics

Jahangirnagar University

Group : Thesis

Thesis Title : Analysis and an Effective Algorithmic Approach for Cost Minimization of Transportation Problem

Year : 2007 (Held in 2009)

Result : **1st** Class **3rd** Position (75%)

Bachelor of Science (4-Year Honours) in Mathematics

Department of Mathematics

Jahangirnagar University

Year of Passing : 2006 (Held in 2008)

Result : **1st** Class **3rd** Position (65.61%)

Higher Secondary Certificate (Science)

Institute : Begum Badrunnesa Govt. Girl's College, Dhaka.
Year of Passing : 2001
Result : **1st** Division
Board : Dhaka

Secondary School Certificate (Science)

Institute : Rajarbagh Police Line High School, Dhaka
Year of Passing : 1999
Result : **1st** Division
Board : Dhaka

Academic Experiences:

(Position, Department & University, Period (DD-MM-YY))

Associate Professor, Department of Mathematics, Jagannath University, Dhaka, Bangladesh, 19 December 2019 to onwards.

Assistant Professor, Department of Mathematics, Jagannath University, Dhaka, Bangladesh, 2 April 2015 to 18 December 2019.

Lecturer, Department of Mathematics, Jagannath University, Dhaka, Bangladesh, 2 July 2013 to 1 April 2015.

Lecturer, Department of Mathematics, Dhaka University of Engineering and Technology (DUET), Gazipur, Bangladesh, 4 June 2012 to 1 July 2012.

Lecturer, Department of Mathematics, American International University-Bangladesh (AIUB), Dhaka, Bangladesh, 16 May 2010 to 3 June 2012.

Teaching Area:

Fluid Dynamics, Mathematical Modeling, Mathematical Biology, Industrial Mathematics, Operations Research, Advanced Numerical Analysis, Numerical Analysis, Ordinary/Partial Differential Equations, Fourier and Laplace Transforms, Linear Algebra, Co-ordinate Geometry and Vector Analysis, Complex Variables, Calculus, Mathematica/Fortran Programming.

Language Proficiency:

- Bengali is my mother tongue
- Medium of instruction of my present institute where I am teaching in Bachelor and Master's program is **English**
- Medium of instruction of the institutes I have completed my Bachelor, Master's and PhD program is **English**
- **IELTS**

Computer Literacy:

- Microsoft Office Package : MS Word, MS Excel, Power Point
- Database Language : Oracle, Microsoft Access
- Programming Language : Maple, MATLAB, ANSYS Fluent Software, C/C++, Visual Basic, Mathematica, FORTRAN.

Member of Learned Society:

Member of **Bangladesh Mathematical Society**, Dhaka, Bangladesh.

List of Publications:

Thesis Paper:

1. **PhD Thesis** – *Boundary Layer Analysis for Heat and Mass Transfer of Convective Flow in Porous Media*, Supervisor – Dr. Akio Miyara, Professor, Graduate School of Science & Engineering, Saga University, Japan, 2019.
2. **MS Thesis** – *Analysis and an Effective Algorithmic Approach for Cost Minimization of Transportation Problem*, Supervisor – Dr. Md. Sharif Uddin, Professor, Department of Mathematics, Jahangirnagar University, Savar, Dhaka, 2007.

Journal Papers:

1. M. Saiful Islam Mallik, Tahmina Begum, Md, Minarul Haque & **Rabeya Akter**, Hydromagnetic Effects on Fluid Flow and Internal Flow Separation in a Linearly Diverging Channel, **IOSR Journal of Mathematics (IOSR-JM)**, Volume 10, Issue 3, Ver. III (May-June 2014), pp. 49-54.
2. **Rabeya Akter**, Nour Mohammad Chowdhury, Mohammad Safi Ullah, A study on compactness in metric spaces and topological spaces, Science Publishing Group, **Pure and Applied Mathematics Journal (PAMJ)**, Vol. 3, No. 5, 2014, pp. 105-112.
3. **Rabeya Akter**, Sayedul Anam, An Improved Least Cost Method for Unbalanced Transportation Problem, **Jagannath University Journal of science**, Volume-4, Number-I, Pages 1-8.
4. **Rabeya Akter**, Farhana Rashid, Analysis and an Effective Algorithmic Approach for Cost Minimization of Transport Problem, **Jagannath University Journal of science**, Volume 5, Number-1 Pages 131-140.
5. **Rabeya Akter**, Md. Hasanuzzaman, Akio Miyara, Similarity solution of heat and mass transfer of a thin liquid film over moving saturated porous medium in presence of thermal radiation. **J. Mech.Cont.&Math.Sci.**, Vol.-13, No.-3, July-August (2018) Pages 26-41
6. **Rabeya Akter**, M. Ferdows, Akio Miyara, Effect of Internal Heat Generation and Concentration Change on Free Convection Boundary Layer from Vertical Flat Plate Embedded in Porous Medium, **Journal of Engineering Thermophysics**, 2019, Vol. 28, Issue. 3, pp. 1-21.

7. **Rabeya Akter**, Akio Miyara, Mixed Convection Boundary Layer on Horizontal Surface Embedded in Porous Medium with Internal Heat Generation and Concentration Change, ***Journal of Engineering Thermophysics***, 2020, Vol. 29, Issue. 3, pp. 518-529.

Conference Proceedings:

1. **Rabeya Akter**, Akio MIYARA – *Similarity Solution of Mixed Convection Boundary Layer on Horizontal Surface Embedded in Porous Medium with Internal Heat Generation and Concentration Change*, International Conference on Applied Physics and Mathematics, Tokyo, Japan, October 22-24, 2018.

(Dr. Rabeya Akter)

Associate Professor

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