



Name: Md. Zakir Hosen Department of Mathematics
Designation: Lecturer Jagannath University
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Personal Contact : **Phone:** +8801737336617

Details:

Personal Information:

Father's Name : Abdul Zalil
Mother's Name : Hanufa Begum
Permanent Address : Vill.:Nurabad, P.O.:Dular Hat, Upozila:
 Charfassion, Dist.:Bhola, Bangladesh.
Date of Birth : 18th April, 1991
Marital Status : Married
Nationality : Bangladeshi (By birth)
Religion : Islam
Sex : Male
Blood Group : B+

Academic Qualification:

M.S. (01 Year) in Mathematics

Department of Mathematics

Institution : Jagannath University, Dhaka-1100
Group : Thesis
Thesis Title : **“Chaotic Behavior of One Dimensional Maps with
 Real Life Applications”**
Thesis Supervisor : Prof. Dr. Payer Ahmed
Year : 2014(Held in 2017)
Session : 2013-2014
Result : CGPA-4.00 Out of 4.00
Position : 1st (100%)

Bachelor of Science (4-Year Honor's) in Mathematics

Department of Mathematics

Institution : Jagannath University, Dhaka-1100
Year of Passing : 2013 (Held in 2015)
Session : 2008-2009
Result : CGPA- **3.92** Out of **4.00**
Position : **1st** (78.4%)

Higher Secondary Certificate (Science)

Institute : Dularhat Adarsha College, Bhola
Year of Passing : 2008
Result : GPA-5.00 Out of 5.00(100%)
Board : Barisal

Secondary School Certificate (Science)

Institute : Dularhat Adarsha College, Bhola
Year of Passing : 2006
Result : GPA-5.00 Out of 5.00 (100%)
Board : Barisal

Academic Experiences:

(Position, Department & University, Time Period)

Lecturer, Department of Mathematics, Jagannath University, Dhaka-1100, from 14/01/2018 to onward

Former Lecturer, Department of Mathematics, European University of Bangladesh (EUB), Dhaka, from 02/09/2016 to 13/01/2018.

Achievements:

- 1.** I have achieved “F. M. Mujibur Rahman Foundation Gold Medal-2017”, Gonith Bahobon, Dhaka University, for the first class first in M.Sc. in order of merit from Jagannath University which is held in 23 November, 2017.

2. I have got Scholarship for M.Sc. Thesis from Ministry of National Science and Technology (NST) of Bangladesh government.
3. I have achieved “F. M. Mujibur Rahman Foundation Gold Medal-2016”, Gonith Bahobon, Dhaka University, for the first class first in B.Sc. Honors in order of merit from Jagannath University which is held in 14 November, 2016.

Research Interest:

Dynamical Systems, Chaos Theory, Fractal Geometry, Fluid Dynamics, Numerical Analysis, Operations Research.

Teaching Area:

Numerical Analysis, Ordinary/Partial Differential Equations, Fourier and Laplace Transforms, Linear Algebra, Co-ordinate Geometry and Vector Analysis, Complex Variables, Calculus, MatLab/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**

Computer Literacy:

- Microsoft Office Package : MS Word, MS Excel, Power Point
- Programming Language : C/C++, Mat Lab, Mathematica, FORTRAN

Member of Learned Society:

Life member of **Bangladesh Mathematical Society**, Dhaka, Bangladesh

M.Phil:

“Dynamical Behaviors of One and Two Dimensional Maps”; Supervisor- Professor Dr. Payer Ahmed, Department of Mathematics, Jagannath University, Dhaka (ongoing).

M. Sc. Thesis:

Chaotic Behavior of One- Dimensional Maps with Real Life Applications, Supervisor– Dr. Payer Ahmed, Professor, Department of Mathematics, Jagannath University, Dhaka-1100.

B.Sc. Project:

Real Life Application of Korteweg-De-Vries (K-deV) Equation, Supervisor – Professor Dr. Md. Rezaul Karim, Chairman, Department of Mathematics, Jagannath University, Dhaka-1100.

References:

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| 1. Dr. Payer Ahmed
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Department of Mathematics
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Professor
Department of Mathematics
Jagannath University, Dhaka
Cell No. : +88 01715333373
Email:rrezaul@gmail.com |
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Journal Papers:

1. **Md. Zakir Hosen and P. Ahmed-** *Chaotic Approaches of 1-D Tent Map with a Real Life Application*, *Jagannath University Journal of Science, Issue-I & II, Vol.: 06, P-175-181, March (2020), Bangladesh.*
2. **Md. Zakir Hosen, Md. Nurujjaman** *Generating Chaotic Sound of 1-D Maps and its Applications*, *Int. J. Adv. Appl. Math. and Mech.* 7(3) (2020) 85 – 95 (ISSN: 2347-2529).
3. **Al Nahian, S.A., Hosen, Z. and Ahmed, P. (2019)**, *An Elementary Study of Chaotic Behaviors in 1-D Maps*. *Journal of Applied Mathematics and Physics*, 7, 1149-1173. <https://doi.org/10.4236/jamp.2019.75077>.
4. **Shah Abdullah Al Nahian, Md. Zakir Hosen, Payer Ahmed**, *Dynamics of one dimensional mouse map*, *Int. J. Adv. Appl. Math. and Mech.* 6(4) (2019) 32 – 40 (ISSN: 2347-2529)(IJAAMM), Journal homepage: www.ijaamm.com

5. **Md. Zakir Hosen, Md. Mohiuddin Zillu and P. Ahmed**-*Several Chaotic Approaches of One Dimensional Doubling Map*, American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS), ISSN (Print) 2313-4410, ISSN (Online) 2313-4402, Vol.: 43, 110-133, No.: 1, June (2018), <http://asrjetsjournal.org/>.

Conference Proceeding:

1. **Md. Zakir Hosen, P. Ahmed**-*Several Chaotic Approaches of One Dimensional Doubling Map*, 20th International Conference-2017, Bangladesh Mathematical Society (BMS), Dec. 8-10, 2017, Dhaka University, Dhaka.
2. **Md. Zakir Hosen, P. Ahmed** -Paper ID: BMS091 Title: "Several Chaotic Approaches for One-Dimensional Maps" A F Mujibur Rahman-Bangladesh Mathematical Society National Mathematics Conference- 2018 to be held on 21-22 December 2018 in the Department of Mathematics, University of Dhaka, Bangladesh.



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Md. Zakir Hosen