



Biography

kuet

Rafiqul Islam

Assistant Professor

Research Area Mathematical Biology,
Epidemiology , Numerical Analysis

Education

Master of Science (Applied Mathematics)

University of Dhaka, Bangladesh (2007-2009)

Passing year 2007 (Exam Held in 2009-10 result published in September 2010)

B.Sc (Hons)

University of Dhaka, Bangladesh (July, 2003-2006)

Passing year 2006 (4th year Final Exam held in 2008)

HSC

Katiadi Degree College, Bangladesh (2000-2002)

SSc

Barachapa High School , Bangladesh (1995-2000)

Service Records

- **Assistant Professor**

Department/Section: Mathematics

Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970

Responsibility: Teaching and Research

- **Lecturer**

Department/Section: Mathematics

Khulna University of Engineering & Technology From 01-01-1970 to 01-01-1970

Responsibility: Teaching and Research

Research Interest

Mathematical Biology, Epidemiology , Numerical Analysis

Publication

Books

Journals

3. Islam, R., Biswash, M. H. A. and Jamali, A. J. U. , " Mathematical Analysis of Epidemiological Model of Influenza A (H1N1) Virus Transmission Dynamics in Perspective of Bangladesh," **Journal of Bangladesh Mathematical Society**

2. Islam, R. and Jamali, A. J. U. (May-2015) , " Reformulation on Modified Runge-Kutta Third Order Methods for Solving Initial Value Problems," **Journal of Engineering Research & Technology (IJERT)**, vol04, no.05

1. Bhuiyan, A. H. , Islam, R. and Alim, M. A. (November-2014) , " Magnetohydrodynamic Free Convection in a Square Cavity with Semicircular Heated Block," **International Journal of Engineering Research & Technology (IJERT)**, vol3, no.11

Conference

3. Islam, R., Biswash, M. H. A. and Jamali, A. J. U. , "Mathematical analysis and control of the transmission dynamics of H1N1 virus in perspective of Bangladesh," **1st International Conference of Mathematics and its Application** , Khulna University

2. Islam, R., Biswash, M. H. A. and Jamali, A. J. U. (18-20 December) , "Stability analysis of the transmission dynamics of H1N1 virus in perspective of Bangladesh," **19th International Conference of Mathematics** , BRAC University & Bangladesh Mathematical Society

1. Jamali, A. J. U. , Ali, M. I. , Islam, R. and Grosso, A. (November 14, 2015) , "Optimality Analysis of LHDs Obtained by ILS on the Basis of Manhattan Distance Measure," **National Conference on Mathematics and Its Applications (NCMA - 2015)**