

CURRICULUM VITAE
of
DR. MD. MAHBUBAR RAHMAN



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Background Summary

Dr. Md. Mahbubar Rahman: Currently a Professor of Electrical and Electronic Engineering at Islamic University, Kushtia, Bangladesh. Served as the Chairperson, Department of Applied Physics, Electronics and Communication Engineering, Islamic University, Kushtia from 2011 to 2014; as the Provost of Bangabandhu Sheikh Mujibur Rahman Hall from 2009 to 2011; as the Student Advisor from 2013 to 2014; and as the Proctor from 2014 to 2018. Now working as a member of Islamic University Syndicate in the General Education Specialist capacity. Served two terms as the Member of the executive body of Islamic University Teachers' Association, one term as the Member of the Executive body of Progressive Teacher's Association 'Shapla Forum' of Islamic University and Islamic University Bangabandhu Parishad. While serving as the Provost of Bangabandhu Sheikh Mujibur Rahman Hall, established the *Bangabandhu Mural and Bangabandhu Corner* in the hall. As the Proctor, organized a number awareness building programmes and campaigns against drugs, terrorism and militancy in association with the local administration and law enforcing agencies. Kept the campus under constant surveillance through a network of close-circuit television and PTZ cameras. Have been appreciated by different people and organizations for taking a strong stance against the reactionary elements in the society and helping the University Administration in upholding the spirit of progressivism and development. Am a staunch supporter of humanism and the ideals of our great Liberation War 1971.

Education

Doctor of Philosophy (Ph.D) in Applied Physics, Electronics and Communication Engineering. Islamic University, Kushtia, Bangladesh, (2009).

Master of Science (by thesis) in Hydrogeology and Groundwater Management, University of Technology, Sydney, Australia, (2005)

Master of Science (thesis group) in Applied Physics and Electronics. University of Rajshahi, Bangladesh, **Grade:** First class (1995).

Bachelor of Science (B.Sc) in Applied Physics and Electronics, University of Rajshahi, Bangladesh., **Grade:**Upper 2nd class first (1994).

H.S.C. : Science , Cantt. Public School and College, Saidpur, Nilphamari.
Grade: First Division (1991).

S.S.C. : Science, Khalisha Belpukur High School, Saidpur, Nilphamari
Grade: First Division (1989).

Specialization : Applied Geophysics.

Research interest : Applied Geophysics, Environmental Science, Ground Water
Modelling and Wireless Mobile Communication.

Ph. D. Dissertation : *Integrated Geophysical Study with Implementation of
Mathematical Algorithms in The Greater Rangpur and
Dinajpur Districts of Bangladesh.*

Research Supervisor : Professor Dr. Shaikh Enayet Ullah, Dept. of Applied Physics and
Electronic Engineering, University of Rajshahi, Rajshahi.

M.Sc Dissertation : *A Statistical Analysis of Hydrograph Data for Estimating
Recharge in The Lower Namoi Valley, NSW, Australia.*

Research Supervisor : Professor Dr. Bryce Kelly, University of Sydney, Australia.

Professional Experience

Professor (Feb., 2012 - current) : Department of Electrical and Electronic Engineering,
Islamic University, Kushtia

Associate Professor (2007-2012) : Department of Applied Physics, Electronics and
Communication Engineering, Islamic University, Kushtia.

Assistant Professor (2002-2007) : Department of Electronics and Applied Physics,
Islamic University, Kushtia

Lecturer (1999-2002) : Department of Electronics and Applied Physics,
Islamic University, Kushtia.

Personal: Date of birth September 1, 1973, Bangladesh citizen.

Academic, Administrative and other Experiences

House tutor (2001-2002): Begum Fazilatunnesa Mujib Hall, Islamic University, Kushtia.

Faculty Member : Faculty of Applied Science and Technology, Islamic
University, Kushtia.

Faculty Member (2015-2017) : Faculty of Humanities and Social Science,
Islamic University, Kushtia.

Faculty Member (Current) : Faculty of Law, Islamic University, Kushtia.

House tutor (2007-2009) : Bangabandhu Sheikh Mujibur Rahman Hall,
Islamic University, Kushtia.

Provost (2009-2011) : Bangabandhu Sheikh Mujibur Rahman Hall,
(Chair, Provost Council) Islamic University, Kushtia.

Member, Tender Evaluation Committee² (2009-2011): Islamic University, Kushtia

Chairman (2011- 14) : Department of Applied Physics, Electronics and Com. Engineering, Islamic University, Kushtia.

Member, Academic Council : Islamic University, Kushtia

Member, Board of Advanced Studies : Islamic University, Kushtia

Member, Editorial Board (v.4) : Journal of Applied Science and Technology, IU.

Student Advisor (January, 2013 – April,14): Islamic University, Kushtia

Proctor (April, 2014- Sep,14): Islamic University, Kushtia

Proctor (October,2015- Dec, 2018): Islamic University, Kushtia

Syndicate Member (Dec, 2018- Present): Islamic University, Kushtia

Organizational Involvements and Leadership Skills

- Life Member of Bangladesh Physical Society.
- Life Member of Bangladesh Electronic Society.
- Life Member of Bangladesh Computer Society.
- Join Secretary of the Kushtia Islamic University Bangabandhu Parishad from 2015 to present.
- Member of the Executive body of Progressive Teacher's Association 'Shapla Forum' of Islamic University from Feb, 2018 to present.
- Member of the Executive body of Islamic University Teachers' Association from Jan, 2015 to Dec, 2016 and Jan, 2019 to present.
- Life Member of Bangladesh India Friendship Society.

Additional Information

Bangabandhu Mural and Bangabandhu Corner : During the tenure of Provostship at the Bangabandhu Sheikh Mujibur Rahman Hall of Islamic University, Kushtia, Challenging and highly life treditend action has been taken on the stabilishment an attractive ***Bangabandhu Mural and Bangabandhu Corner*** to encurrage the next generation on The great leader and the father of Bengali nation of Bangabandhu Sheikh Mujibur Rahman and his activities.

During Proctorship: As the Proctor, organized a number awareness building programmes and campaigns against drugs, terrorism and militancy in association with the local administration and law enforcing agencies. Kept the campus under constant surveillance through a network of close-circuit television and PTZ cameras. Have been appreciated by different people and organizations for taking a strong stance against the reactionary elements in the society and helping the University Administration in upholding the spirit of progressivism and development. Am a staunch supporter of humanism and the ideals of our great Liberation War 1971.

List of publications

1. P. K. Nath, M. M. Rahman, S.M.A. Rahim, M. Khalid Hossain, M. Salim Reza and M.N.U. Khan, "Performance Analysis between Analog OFDM & Digital OFDM System", *I. J. Wireless and Microwave Technologies*, 4, 84-100, 2016.
2. Joarder Jafor Sadique, Shaikh Enayet Ullah and Md. Mahbubar Rahman, "Impact of Variations Channel Coding Schemes on Performance Analysis of Subcarrier Intensity Modulated Free space Optical Communication System", *International Journal of Emerging Technology in computational and Applied Science(IJETCAS)*, Georgia, USA, 9(1), 56-60, 2014.
3. M. M. Rahman, S. E. Ullah, S. M. A. Rahim and M. J. Uddin, "Performance Evaluation of Alamouti Space-Time Block Coded Multi-User W-CDMA Wireless Communication System", *International Journal of Engineering and Computer Science*, ISSN: 2319-7242, vol.2, 816-820, 2013.
4. Shaikh Enayet Ullah and Mahbubar Rahman, "BER Performance Analysis of a FEC Encoded Multi-user MIMO MCCDMA Wireless Communication System", *International Journal of Hybrid Information Technology*, 4(3), 2011.
5. M. M. Rahman, S. E. Ullah, SMA Rahim and Md. Jasim Uddin, "Performance Evaluation of Alamouti space- Time Block Coded Multi-User W-CDMA Wireless Communication System", *International Journal of Engineering and Computer Science*, 2(3), 2013.
6. M. D. Haque, S. E. Ullah, M. M. Rahman and M. Ahmed, "BER Performance Analysis of a Concatenated Low Density Parity Check Encoded OFDM System in AWGN and Fading Channels", *Journal of Scientific Research*, JSR Publications. 2(1), 46-53, 2010.
7. Dulal Haque, Shaikh Enayet Ullah, Mahbubar Rahman and A. F. M Zainul Abadin, "Performance Evaluation of a FEC Encoded MIMO-OFDM Wireless Communication System on Color Image Transmission", *Journal of Mobile Communication*, 3(4), 62-67, 2009.
8. Md. Nur Amin, Md. Anamul Islam, Shaikh Enayet Ullah and Md. Mahbubar Rahman, "BER Simulation of a Reed- Solomon encoded Orthogonal Frequency Division Multiplexing Wireless Communication System", *Prime University Journal*, 3(1), 2009.
9. Md. Mahbubar Rahman and Shaikh Enayet Ullah, "Inversion of Gravity Data for Imaging of a Sediment-basement Interface: A Case Study in the Northwestern Part of Bangladesh", *Journal of Pure and Applied Geophysics*, 166, 2007-2019, 2009.
10. Shaikh Enayet Ullah, M. M. Rahman, Md. Dulal Haque and M. Humayun Kabir, "Evaluation of a Differentially Encoded Minimum Shift Keying Based Wireless Communication Syatem", *Journal of Bangladesh Electronics*, 9(1-2), 133-140, 2009.
11. Md. Rafiqul Islam, Md. Tanvir Hasan, M. Ruman Alam, M. Rukunuzzan and Md. Mahbubar Rahman, "Design and Implementation of PC-based high Performance Automatic Voltage Regulator", *Journal of Applied Science and Technology*, Islamic University, Kushtia-7003, 05(02), 53-59, 2008.

12. Shaikh Enayet Ullah, Md. Mahbubar Rahman and Md. Dulal Haque, "Performance Evaluation on Digital Image Transmission with Implementation of Quadrature Amplitude Modulation scheme in a Rician Fading Channel", Bangladesh Journal of Physics, 4, 67-74, 2007.
13. Shaikh Enayet Ullah, M. A. F. M. Rashidul Hasan M. Nozibul Haque and Md. Mahbubar Rahman,"Analysis of Short-Wavelength Magnetic Anomalies in Southern part of Bengal Foredeep Region of Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia-7003, Bangladesh,.04(02), 2006
14. Shaikh Enayet Ullah, M. Nozibul Haque, Md. Mahbubar Rahman and M. A. F. M. Rashidul Hasan, "Analysis of Gravity Data for Detection of Geologic Boundary and Estimation of Depth of a Subsurface Structure in Rangpur Saddle Area of Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia-7003, .04(02), 7-11, 2006.
15. Shaikh Enayet Ullah, M. Nozibul Haque, Md. Mahbubar Rahman and M. A. F. M. Rashidul Hasan, "Analysis of the Higher derivative of 3-D Analytic Signal of Magnetic anomalies in North-western part of Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia-7003, Bangladesh, 04(02), 73-77, 2006.
16. M. Shahinuzzaman, M. Nozibul Haque and M. Mahbubar Rahman,"Groundwater Resource Evaluation in Khoksa Upazila, Kushtia", Journal of water resources research, Bangladesh University of Engineering & Technology, vol. 19 Dec, 2002.
17. M. Mahbubar Rahman, M. A. F. M. Rashidul Hasan, Mumnunul Keramat, S. Mustafizur Rahman and Shaikh Enayet Ullah,"Computer aided resistivity modelling and parameter estimation of subsurface formation", Journal of Bangladesh Academy of Sciences, Department of Chemistry, Dhaka University, Dhaka-1000, Bangladesh, 25(1), 35-43, 2001.
18. M. A. F. M. Rashidul Hasan, M. Keramat, S. Enayet Ullah, M. Nozibul Haque, and M. Mahbubar Rahman, "Assesment of groundwater potentiality in the north-east corner of Barind Tract, Bangladesh",The Bangladesh Journal of National Geographical Association, Department of Geography and environment, Dhaka University, Dhaka-1000, Bangladesh. 29(1&2), 43-55, 2001,
19. M. Jalal Uddin, M. Nozibul Haque and M. Mahbubar Rahman, "Simulation of lithologs to study the groundwater potentiality in Kumarkhali Upazila, Kushtia", Technical journal, river research institute, Faridpur, Bangladesh, 08(01), 2001.
20. M. Humayun Kabir, M. Mahbubar Rahman and M. Nozibul Haque, "Subsurface Geoelectric Parameters of the Eastern side of Rajshahi City", Journal of Applied Science and Technology, Islamic University, Kushtia-7003, 02(01), 87-92, 2001.
21. Shaikh Enayet Ullah, Md. Mahbubar Rahman and M. A. F. M. Rashidul Hasan, "Interpretation of magnetic anomalies in north- west Bangladesh using spectrum based and analytical techniques", Bangladesh Journal of Scientific and Industrial Research, BCSIR, Dhanmondi, Dhaka-1205, Bangladesh, 35(1-4), 82-89, 2000.

22. Shaikh Enayet Ullah, M. A. F. M. Rashidul Hasan and Md. Mahbubar Rahman, "Wave Number Domain Analysis of Aeromagnetic Map: A Case Study in Southwest Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia-7003, Bangladesh, 01(01), 75-83, 2000.
23. Shaikh Enayet Ullah, M. A. F. M. Rashidul Hasan and Md. Mahbubar Rahman, "2^{1/2}-D Modeling of Subsurface Geologic Features in Mount Olympus area of Cyprus", Bangladesh Journal of Science Research, 18(2), 239-247, 2000.

References

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