

CURRICULUM VITAE

Professor Dr. Md. Nozibul Haque

Dept. of Electrical and Electronic Engineering

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Personal Information

- **Date and Place of Birth:** February 10, 1968, Joyrampur, Daulatpur, Kushtia, Bangladesh.
- **Nationality:** Bangladeshi by Birth.

Areas of Specialization

- Geoelectrical Resistivity
- Satellite Remote Sensing
- Geographic Information System (GIS)
- Hydrogeology
- Climate.

Education

- **Ph.D.:** Dept. of Applied Physics and Electronics, University of Rajshahi, Rajshahi-6205, Bangladesh, 2009.

Dissertation: “*Delineation of groundwater potential zones in the western part of greater Kushtia district based on integrated Hydrogeological and Geophysical approach.*”

- **M.Phil.:** Dept. of Applied Physics and Electronics, University of Rajshahi, Rajshahi-6205, Bangladesh, 1998.

Dissertation: “*Study of groundwater conditions in the western part of greater Rajshahi district.*”

- **M.Sc.:** Dept. of Applied Physics and Electronics, University of Rajshahi, Rajshahi-6205, Bangladesh, 1990.

Dissertation: “*A study of groundwater level in Rajshahi City by Electrical Resistivity Method.*”

- **B.Sc. (Honors):** Dept. of Applied Physics and Electronics, University of Rajshahi, Rajshahi-6205, Bangladesh, 1989.

Teaching Experience

- **Professor:** Dept. of Electrical and Electronic Engineering, Islamic University, Kushtia, Bangladesh (August 12, 2009 to date).
- **Associate Professor:** Dept. of Applied Physics, Electronics and Communication Engineering, Islamic University, Kushtia, Bangladesh (December 10, 2003 to August 11, 2009).
- **Assistant Professor:** Dept. of Electronics and Applied Physics, Islamic University, Kushtia, Bangladesh (March 30, 1998 to December 09, 2003).
- **Lecturer:** Dept. of Electronics and Applied Physics, Islamic University, Kushtia, Bangladesh (November 02, 1995 to March 29, 1998).

Administrative Responsibilities

- **Chairman:** Department of Electronics and Applied Physics, Islamic University, Kushtia, from 19-06-1999 to 17-09-1999,

- **Chairman:** Department of Electronics and Applied Physics, Islamic University, Kushtia, from 01-07-2000 to 01-04-2003.
- **Chairman:** Department of Applied Nutrition and Food Technology, Islamic University, Kushtia, from 07-10-2002 to 13-05-2003.
- **Assistant Proctor:** Islamic University, Kushtia, from 22-06-2001 to 21-06-2004.
- **Provost:** Jatir Pita Bangabandhu Sheikh Mujibur Rahaman Hall, Islamic University, Kushtia, from 26-04-2004 to 03-04-2006.
- **Dean:** Faculty of Engineering and Technology, Islamic University, Kushtia, from 21-12-2019 to 20-12-2021.
- Worked as Co-Ordinator/Chairman/Member in different Committees in Islamic University, Kushtia.

Responsibilities in Teachers' Association of Islamic University

- *President:* 2013
- *Member:* 7 times

Researches Supervised/Guided

Ph.D.:

- “Groundwater potential modeling in the Meherpur district of Bangladesh using GIS through the integration of hydrogeological and geophysical parameters”. (*Degree Awarded*)
- “Simulation of geophysical and geohydrological parameters and modeling the aquifer system of the eastern part of Kushtia district, Bangladesh using GIS”. (*Degree Awarded*)
- “Delineation of groundwater potential zone in the middle-west part of Kushtia district using GIS based integrated remote sensing, hydrogeological and geoelectrical approach. (*Running*)

M.Sc. by Thesis:

- “Computer based interpretation of Vertical Electrical Sounding (VES) in Rajshahi City” - submitted by Md. Jalal Uddin, 2003.
- “Computer based interpretation of geoelectric soundings in deciphering the aquifer in Kushtia Municipality” - submitted by Md. Shahinuzzaman, 2004.
- “Interpretation of resistivity soundings for hydrogeological investigation in Islamic University Campus, Kushtia” - submitted by M. H. Jaglul Pasha, 2004.
- “Hydrogeological investigation in Tribeni Union under Jhenaidah district using geoelectrical resistivity method” - submitted by Md. Iqbal Hosain Mazumder, 2005.
- “Results of geoelectric survey in deciphering the aquifer in Harinarayanpur Union of Kushtia district” - submitted by Md. Zillur Rahman, 2005.
- “Interpretation of hydrogeological and geoelectrical data for the evaluation of groundwater potentiality in the southern part of Daulatpur Upazila, Kushtia” - submitted by Md. Sujon Ali, 2006.
- “Interpretation of hydrogeological data for the evaluation of groundwater potentiality in the northern Meherpur district, Bangladesh” - submitted by Farzana Sharmin, 2010.
- “Groundwater potential modeling in the northern part of Kushtia Sadar Upazila using GIS through the integration of hydrogeological data” - submitted by Sajib Mostafa, 2011.
- “Subsurface formation evaluation of the Islamic University Campus, Kushtia using geoelectrical resistivity method” - submitted by Mirza Abdul Malek, 2012.
- “Evaluation of subsurface formations for groundwater potential in the northern part of Kushtia upazila using geoelectrical resistivity method” - submitted by Md. Salauddin, 2013.

etc.

B.Sc. and M.Sc. by Project:

More than 40 projects.

Fellowships/Scholarships

- *University Grants Commision of Bangladesh Fellowship* for Ph.D. in the University of Rajshahi, Rajshahi-6205, Bangladesh.
- *Rajshahi University Scholarship* for the Master of Science degree.
- *Rajshahi University Scholarship* for the Bachelor of Science degree.

Publications

1. Khan M. N. U. & **Haque M. N.**, 2023, “Evaluation of Morphometric Parameters Studies in Middle-West Part of Kushtia District, Bangladesh, Using Remote Sensing and GIS Techniques”, Journal of Geoscience and Environment Protection, Vol.11, No.01, PP.211-231. DOI:10.4236/gep.2023.111014
2. Khan M. N. U. & **Haque M. N.**, 2023, “Evaluation of Aquifer Properties to Categorize Groundwater Potential in a Part of Southwest Bangladesh Using Catastrophe Theory”, European Journal of Environment and Earth Sciences, Vol.4, No.06, PP.21-31. DOI:10.24018/ejgeo.2023.4.6.435
3. Khan M. N. U. & **Haque M. N.**, 2024, “Effective Use of Catastrophe Multicriteria Decision Analysis in Delineating Groundwater Recharge Potential Zones”, European Journal of Engineering and Technology Research, Vol.1, No.01, PP. 1-11. DOI:10.24018/ejeng.2024.1.1.3171
4. Shahinuzzaman M., **Haque M. N.** and Shahid S., 2021, “Delineation of groundwater potential zones using a parsimonious concept based on catastrophe theory and analytical hierarchy process”, Hydrogeology Journal, Vol. 29, PP.1091–1116. <https://doi.org/10.1007/s10040-021-02322-2>
5. Shahinuzzaman M., **Haque M. N.**, Khan M. N. U. and Alibuddin M., 2020, “Identification of Aquifer Properties in the Eastern Part of Kushtia District, Bangladesh”, Journal of Geoscience and Environment Protection, Vol. 8(11), PP. 222-237. <https://doi.org/10.4236/gep.2020.811015>
6. Shahinuzzaman M., Mostafa S., Khan M. N. U. and Islam M. K., Alibuddin M. and **Haque M. N.**, 2016, “Hydrostratigraphy and Its Relation to Ground-Water Potentiality of an Area of the Ganges River Delta in Bangladesh”, World Journal of Engineering and Technology, Vol. 4 (1), PP. 10-20. <https://doi.org/10.4236/gep.2020.811015>
7. **Haque M. N.**, Keramat M., Shahid S., Mohsenipour M. and Wang X. J., 2016, “Groundwater dynamics and balance in the western part of greater Kushtia district of Bangladesh”, KSCE Journal of Civil Engineering (0000) 00(0):1-12. DOI 10.1007/s12205-016-0801-1
8. **Haque M. N.**, Keramat M., Shahid S. & Mohsenipour M., 2016, “GIS integration of hydrogeological and geoelectrical data for groundwater potential modeling in the western part of greater Kushtia district of Bangladesh”, Water Resources, Vol. 43, No.02, PP.283-291.
9. Mohsenipour M., Ebrahimi K., Shahid S., Alamgir M., Chung E. S., Ismail T., **Haque M. N.** and Assadi N., 2016, “Numerical simulation of groundwater nitrate pollutant in porous media”, Presented in the Conference in Universiti Teknologi Malaysia, Johor Bahru, Malaysia 15-17 August.
10. **Haque M. N.**, Keramat M. & Shahid S., 2014, “Groundwater resource evaluation in the western part of Kushtia district of Bangladesh using vertical electrical sounding technique”, ISH Journal of Hydraulic Engineering. DOI:10.1080/09715010.2014.981679
11. **Haque M. N.**, Keramat M., Mahiuddin Alamgir & Shahid S., 2014, “Hydrostratigraphic Study in the Western Part of Bangladesh in Relation to Groundwater Potentiality”, International Journal of Earth Sciences and Engineering (IJEE), Vol. 07, No.05, PP.1668-1674.

12. Alibuddin M., Shahinuzzaman M., Humayun Kabir M. & **Haque M. N.**, 2014, "Hydrostratigraphic analysis to identify the potential groundwater bearing zones in the north of Meherpur district", Technical Journal, River Research Institute, Faridpur, Bangladesh, Vol.12, No.02, PP.1-12.
13. **Haque M. N.**, Keramat M. & Shahid S., 2011, "Spatial assessment of aquifer properties in a soft rock area of greater Kushtia district of Bangladesh", Journal of Applied Hydrology, Vol. XXIV, No.1&2, PP.9-18.
14. Sharmin F., Alibuddin M. & **Haque M. N.**, 2010, "Groundwater flow and balance in the area of Meherpur district, Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.07, No.02, PP.47-54.
15. Sharmin F., Alibuddin M. & **Haque M. N.**, 2010, "Groundwater potential modeling in the northern side of Meherpur district using GIS", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.07, No.02, PP.39-46.
16. Mazumder M. I. H., **Haque M. N.** & Uddin M. J., 2007, "Geoelectric survey in deciphering the groundwater zones in the Tribeni union of Jhenidah district", Journal of Bangladesh Academy of Sciences, Bangladesh, Vol.31, No.1, PP.7-16.
17. Enayetullah S., **Haque M. N.**, Rahman M. M. & Hasan M. A. F. M. R., 2006, "Analysis of the higher derivatives of 3-d analytic signal of magnetic anomalies in north-western Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.04, No.02, PP.73-77.
18. Enayetullah S., **Haque M. N.**, Rahman M. M. & Hasan M. A. F. M. R, 2006, "Analysis of gravity data for detection of geologic boundary and estimation of depth of a subsurface structure in Rangpur saddle area of Northern Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.04, No.02, PP.7-11.
19. Rahman M. Z., **Haque M. N.** & Uddin M. J., 2006, "Results of geoelectric survey in deciphering the aquifer in Harinarayanpur union of Kushtia district", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.04, No.02, PP.23-30.
20. Enayetullah S., Hasan M. A. F. M. R, **Haque M. N.** & Rahman M. M., 2006, "Analysis of short-wavelength magnetic anomalies in southern part of Bengal Foredeep Region of Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.04, No.02, PP.83-86.
21. Pasha M. H. J. and **Haque M. N.**, 2005, "Interpretation of resistivity soundings for hydrogeological investigation in Islamic University campus, Kushtia", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.04, No.01, P.17-21.
22. Shahinuzzaman M. and **Haque M. N.**, 2004, "Interpretation of geoelectric soundings in deciphering the aquifer in Kushtia Municipality", Technical Journal, River Research Institute, Faridpur, Bangladesh, Vol.08, No.1, PP.30-44.
23. Chowdhury M. M. R., Keramat M., **Haque M. N.** and Hasan M. A. F. M. R, 2003, "Computer simulation of lithologs for the evaluation of groundwater resources in Nawabganj district, Bangladesh", Journal of Bangladesh Academy of Sciences, Bangladesh, Vol.27, No.2, PP.97-105.
24. Shahinuzzaman M., **Haque M. N.** and Rahman M.M., 2002, "Groundwater resource evaluation in Khoksa Upazila, Kushtia", Bangladesh Journal of Water Resource Research, Water Resources Engineering Department, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh, Vol.19, PP.69-79.
25. **Haque M. N.**, Rahman S.M., Enayetullah S. & Keramat M., 2002, "Study of groundwater condition of Rajshahi City", Rajshahi University Studies, Part-B, Journal of Science, Vol.30, PP.1-8.
26. **Haque M. N.** and Hasan M. A. F. M. R., 2002, "Sub-surface formations and groundwater flow in Daulatpur and Bheramara thana of Kushtia district, Bangladesh", Journal of the Bangladesh National Geographical Association, Bangladesh, Vol.30, Nos.1 & 2, PP.41-54.

27. Islam M. S., **Haque M. N.** and Hasan M. A. F. M. R, 2001, "Hydrogeological conditions in the northern part of Kushtia Sadar Upazila of Bangladesh", Journal of Geo-Environment, Rajshahi University, Bangladesh, Vol.1, PP.79-89.
28. **Haque M. N.** and Hasan M. A. F. M. R, 2001, "Groundwater potentiality in the western part of Kushtia district, Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol. 02, No.01, PP.93-99.
29. Hasan M. A. F. M. R., Keramat M., Enayetullah S., **Haque M. N.** and Rahman M.M., 2001, "Assessment of groundwater potentiality in the northeastern region of Barind Ttract, Bangladesh", Journal of the Bangladesh National Geographical Association, Bangladesh, Vol.29, Nos.1 & 2, PP.43-55.
30. **Haque M. N.**, Keramat M. and Hasan M. A. F. M. R., 2001, "Computer aided groundwater balance study in the western Barind Tract of Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.02, No.01, PP.11-15.
31. Rahman S. M., **Haque M. N.**, Keramat M. & Enayetullah S, 2001, "The Resistance – Capacitance (R-C) modeling of an aquifer", Rajshahi University Studies, Part-B, Journal of Science, Vol.29, PP.27-36.
32. Uddin M. J., **Haque M. N.** and Rahman M. M., 2001, "Simulation of lithologs to study the groundwater potentiality in Kumarkhali Upazila, Kushtia", Technical Journal, River Research Institute, Faridpur, Bangladesh, Vol.08, No.1, PP.30-44.
33. Kabir M. H., Rahman M. M. and **Haque M. N.**, 2001, "Subsurface geoelectric parameters of the eastern side of Rajshahi City, Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol.02, No.01, PP.87-92.
34. **Haque M. N.**, Keramat M. & Enayetullah S., 2000, "Computer simulation of lithologs for the study of hydrogeological condition in the western part of greater Rajshahi district, Bangladesh", Journal of Applied Science and Technology, Islamic University, Kushtia, Bangladesh, Vol. 01, No.01, PP.21-31.
35. **Haque M. N.**, Keramat M. and Rahman A. M. A., 2000, "Delineation of groundwater potential zones in the western Barind Tract of Bangladesh", Journal of the Bangladesh National Geographical Association, Bangladesh, Vols. 21-26, Nos.1-2, PP.13-20.
36. Rahman A. M. A., Keramat M., Enayetullah S. & **Haque M. N.**, 1998, "Computer based analysis of borehole data for the evaluation of groundwater condition in some parts of Naogaon district of Bangladesh", Journal of Remote Sensing and Environment, Vol.2, PP.135-145.
37. Hossain M. J., **Haque M. N.** & Keramat M, 1996, "Groundwater resource evaluation of Nawabganj and Godagari thana of greater Rajshahi district", Journal of Bangladesh Academy of Sciences, Bangladesh, Vol.20, No.2, PP.191-196.
38. **Haque M. N.** & Keramat M., 1995-96, "A study of groundwater level in Rajshahi City by Electrical Resistivity Method", Rajshahi University Studies, Part-B, Journal of Science, Vol.23-24, PP.31-40.

Conference/Symposium Attended/Paper Presented

- Mohsenipour M., Ebrahimi K., Shahid S., Alamgir M., Chung E-S., Ismail T., Assadi N. and **Haque M. N.**, 2016, "Numerical simulation of groundwater nitrate pollutant in porous media", Conference: IGCESH 2016, Johor Bahru, Malaysia.
- **Haque M. N.** and Keramat M. (2015), 'Correlation of hydrogeological and geoelectrical parameters of a sedimentary formation in Bangladesh,' International Workshop on 'Climate Change and Water Resources in Asian Countries'- September 8-9, 2015, Universiti Teknologi Malaysia (UTM), 81301 Johor Bahru, Malaysia.
- **Haque M. N.** and Keramat M. (2015), 'Subsurface formation evaluation for groundwater potential in the lower Ganges delta of Bangladesh using hydrogeological and geophysical techniques,' International Workshop on 'Climate Change and Water Resources in Asian Countries'- September 8-9, 2015, Universiti Teknologi Malaysia (UTM), 81301 Johor Bahru, Malaysia.

- **Haque M. N.** and Keramat M. (2014), ‘Groundwater dynamics and balance in the western part of greater Kushtia district, Bangladesh’, International Symposium on ‘Groundwater Resources in Varying Environment: Opportunities and Challenges’-August 11-13, 2014, Universiti Teknologi Malaysia (UTM), 81301 Johor Bahru, Malaysia.
- Salaudding M. and **Haque M. N.** (2014), ‘Evaluation of subsurface formations for groundwater potential in the northern part of Kushtia upazila using geoelectrical resistivity method’, International Symposium on ‘Groundwater Resources in Varying Environment: Opportunities and Challenges’- August 11-13, 2014, Universiti Teknologi Malaysia (UTM), 81301 Johor Bahru, Malaysia.
- **Haque M. N.** and Keramat M. (2002), ‘Groundwater resources evaluation in Meherpur Sadar Upazila, Bangladesh’, 10th National Geographical Conference on ‘Land, Environment and Development’, organized by the Bangladesh National Geographical Association, December 28-30, 2002, Bangladesh Academy of Rural Development, Comilla, Bangladesh.
- Hasan M. A. F. M. R., Keramat M. and **Haque M. N.** (2002), ‘Computer based groundwater resources evaluation in Dhamoirhat thana of Naogaon district, Bangladesh’, 10th National Geographical Conference on ‘Land, Environment and Development’, organized by the Bangladesh National Geographical Association, December 28-30, 2002, Bangladesh Academy of Rural Development, Comilla, Bangladesh.
- **Haque M. N.** (2008), Attended in the International conference on ‘Electronics, Computer and Communication’ organized by the Bangladesh Electronics Society, June 27-29, 2008, University of Rajshahi, Rajshahi, Bangladesh.
- **Haque M. N.** (1999), Attended in the International Conference on ‘Material Science and Technology’ organized by the Bangladesh Physical Society, October 23-25, 1999, Dhaka, Bangladesh.
- **Haque M. N.** (1999), Attended in the International Symposium on ‘Crystal Growth of LASER Related Materials’organized by the Crystal Growth Centre, August 7-8, 2000, Anna University, Chennai, India.

Research Project Completed

- Groundwater resource evaluation in some parts of Kushtia district, Bangladesh - funded by the Islamic Uiniversity, Kushtia, Bangladesh, 2000-2001(one year).
- Groundwater potential modeling in the northern part of Kumarkhali Upazila of Kushtia district, Bangladesh - funded by the Islamic Uiniversity, Kushtia, Bangladesh, 2009-2010 (one year).
- Hydrogeological studies in the northern part of Mirpur upazila of Kushtia district, Bangladesh - funded by the Islamic Uiniversity, Kushtia, Bangladesh, 2012-2013, (one year).
- “Groundwater potential modeling in the Bheramara upazila of Kushtia district using GIS” (one year).

Member of Scientific/Academic Society

- Life Member, Bangladesh Physical Society, Dhaka, Bangladesh.
- Life member, The Bangladesh National Red Crescent Society, Kushtia Unit.
- Member, Bangladesh Electronics Society, Dhaka, Bangladesh;
- Member, Indian Association for Crystal Growth, India;
- Associate Member, Bangladesh Computer Society, Dhaka, Bangladesh;

Computer Skills

- *Programming Languages:* ForTran, C++.
- *GIS and Surface Mapping Software:* ArcViewGIS, ArcGIS, Surfer.
- *Remote Sensing and Image Processing Softwar:* ERDAS Imagine.

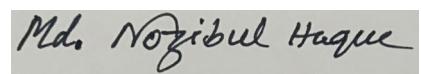
- *Geological/Geophysical Software:* RockWorks, IPI2win 3.0.1, VES-1.30.
- *Groundwater/Pumping Test Software:* StepMaster, Aquifer Test, FLOWNET.
- *Others:* MS Office and statistical software.

Foreign Language

- *English:* reading, writing, speaking and listening.

Sports Achievements

- Participation in ‘5th Bangladesh Games’,
- Champion in “Inter-University Volley ball-1994”,
- Champion in “Inter-College Volley Ball-1990”, University of Rajshahi.
- Champion in “Inter-College Volley Ball-1991”, University of Rajshahi.



(Professor Md. Nozibul Haque (PhD))