

Curriculum Vitae: Altaf Hossain

Associate Professor, Department of Statistics
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Academic Qualifications:

Master of Economics, 2014	Development Economics, Dhaka School of Economics, University of Dhaka, Result: 3.75 (on scale of 4) Thesis Title “Financial Sector Development and Economic Growth: Evidences from Asian Countries” , under the supervision of Professor Dr. Kazi Saleh Ahmed .
Master of Science, 2007	Department of Statistics, University of Rajshahi, Rajshahi, Bangladesh Result: First Class (about 68% marks) Thesis Title “Forecasting Financial Time Series by Short and Long Memory Models” , under the supervision of M. Nasser , Professor, Department of Statistics, Rajshahi University.
Bachelor of Science, 2006	Department of Statistics, University of Rajshahi, Rajshahi, Bangladesh Result: First Class (about 65% marks)

Research and Publications (Peer Reviewed):

Journal Publications :

- **Hossain, A.**, Alam, MJ., and Haque, MR, 2021. Effects of Riverbank Erosion on Mental Health of the affected people in Bangladesh. Under Review in PLOS One.
- **Hossain, A.**, Alam, MJ., Mydam, J., and Tareque, M., 2021. Do the issues of religious minority and coastal climate crisis enhance the burden of chronic illness in Bangladesh? Under Review in BMC Public Health.
- **Hossain, A.**, Podder, A.K. and Asaduzzaman, M., 2019. How Does Remittance Impact on Economic Development in South Asia? A Dynamic Ordinary Least-Square Approach. The Indian Economic Journal (**Sage Publisher**), 67(1-2), pp.68-81.
- **Hossain, A.** and Biswas, S., 2019. Determining the ideological approach of finance-growth nexus in Bangladesh: New evidence from dynamic factor based causality approach. International Research Journal of Finance and Economics, 176, pp.100-115.
- **Hossain, A.**, Biswas, S., Hossain, M. and Poddar, A.K., 2017. Financial sector development and economic growth in Bangladesh: A factor analysis based causality approach. International Journal of Economics and Finance, 9(8), pp.229-238.
- Biswas, S., **Hossain, A.**, Poddler, K.A. and Hossain, N.M., 2017. A Canonical Analysis on the Relationship between Banking Sector and Stock Market Development in Bangladesh. International Journal of Economics and Finance, 10(1).

- **Hossain, A.**, 2016. Effects of Private Credit and Capitalization Deepening on Economic Growth of the Asian Countries. *World Review of Business Research*, 6(3), pp.82-98.
- **Hossain, A.** and Nasser, M., 2011. Recurrent support and relevance vector machines based model with application to forecasting volatility of financial returns. *Journal of Intelligent Learning Systems and Applications*, 3(04), p.230.
- **Hossain, A.** and Nasser, M., 2011. Comparison of the finite mixture of ARMA-GARCH, back propagation neural networks and support-vector machines in forecasting financial returns. *Journal of Applied Statistics (Taylor and Francis)*, 38(3), pp.533-551.

Conference Proceedings:

- **Hossain, A.**, 2016. “Effects of Private Credit Deepening on Economic Growth of the Asian Countries”, in the Proceedings of the International Conference for Bankers and Academics 2016, September 25 – 26, 2016, Dhaka (in partnership with Bangladesh Institute of Bank Management, Dhaka & The JDA, Tennessee State University, USA), pp. 381 – 393, ISBN 978-0-9925622-4-3.
- **Hossain, A.**, Hossain, N.M., Biswas, S., and Poddar, K.A., 2015. “Banks, Stock Markets and Economic Growth: Evidences from Bangladesh”, Annual Banking Conference 2015, November 22 – 23, 2015, Bangladesh Institute of Bank Management, Dhaka, Bangladesh, pp. 79 – 86.
- **Hossain, A.** and Nasser, M., 2008. "Comparison of GARCH and Neural Network Methods in Financial Time Series Prediction", *Computer and Information Technology, 2008. ICCIT 2008. 11th International Conference on*, vol., no., pp.729-734, 24-27 Dec. 2008. Available in the **IEEE** digital library.
- **Hossain, A.**, 2009. “An Investigation on the Performance of Long and Short Memory Models in Forecasting Realized Volatility of Emerging Stock Market Returns”, Modeling High Frequency Data in Finance, July 10 – 12, 2009/Stevens Institute of Technology, New Jersey, USA.
- **Hossain, A.**, Zaman, F.A., Nasser, M. and Islam, M.A. 2009. “Comparison of GARCH, Neural Network and Support Vector Machine in Financial Time Series Prediction”, PReMI2009, pp. 597-602, 2009, **Springer – Verlag Berlin Heidelberg** 2009.

Research Grants from University Grants Commission of Bangladesh:

- 2020 (Running): Out-of-pocket expenditure and distress financing for chronic illness in Bangladesh
- 2017: Canonical Correlation Analysis between Banking Sector and Stock Market Development of Bangladesh
- 2016: Modeling and Forecasting Volatility: Evidence from the Emerging Stock Market of Bangladesh
- 2015: Financial Sector Development and Economic Growth in Bangladesh: A Dynamic Factor Analysis

Research Interest:

Fiscal Policy, Inequality and Health Economics
Economic and Sustainable Development
Artificial Intelligence, Machine Learning and Financial Econometrics

MSc. Thesis Supervision:

1. Student Name: Suman Biswas, Research Associate, Bangladesh Rice Research Institute of Bangladesh Govt.
Title (2017): *Financial Sector Development and Industrial Production of Bangladesh: A Dynamic Factor Analysis Based Causality Approach*
2. Student Name: Md. Nasif Hossain, Statistical Officer, International Centre for Diarrhoeal Research Bangladesh
Title (2017): *Government Health Care Expenditure and Economic Growth in South Asian Countries*
3. Student Name: Arnab Kumar Podder, Industrial Service Centre BSCIC, Bagerhat, Bangladesh.
Title (2017): *Impact of Remittances on Different Economic Development Indicators of South Asian Countries: Dynamic Ordinary Least Square Approach*
4. Student Name: Faroque Ahmed, Research Associate, Bangladesh Institute of Governance and Management, Dhaka, Bangladesh
Title (2018): *Big Data Analysis in Credit Card Fraud Detection*
5. Student Name: Md. Rezaul Haque
Title (2020): *Mental Health with Response to Riverbank Erosion in Bangladesh*
6. Student Name: Shahriar Morshed
Title (2020): *The Economic Impact of Monsoon Flood and Its Spillover on the Households of Bangladesh*

Work Experiences:

- **Associate Professor** (April 18, 2020 to present), Department of Statistics, Islamic University, Kushtia, Bangladesh
- **Assistant Professor** (April 18, 2013 to April 17, 2020), Department of Statistics, Islamic University, Kushtia, Bangladesh
- **Lecturer** (April 18, 2010 to April 17, 2013), Department of Statistics, Islamic University, Kushtia, Bangladesh
- **Chairman** (October 4, 2015 to October 3, 2018), Department of Statistics, Islamic University, Kushtia, Bangladesh
- **Chairman (In Charge)** (September 16, 2015 to October 3, 2015), Department of Statistics, Islamic University, Kushtia, Bangladesh

Conference/Seminar/Workshop Participation:

- International Conference on Business and Economics, October 25 – 26, 2016, University of Dhaka, Bangladesh.
- The 2nd International Conference on Theory and Application of Statistics, December 27 – 29, 2015, University of Dhaka, Bangladesh.
- IASC2008: *Joint Meeting of 4th World Conference of the IASC on Computational Statistics & Data Analysis, December 5-8, 2008*, Yokohama, Japan
- ICCIT2008: *11th International Conference on Computer and Information Technology, December 24-27, 2008*, Khulna, Bangladesh
- First International Conference on “Theory and Applications of Statistics” – 2010 organized by DUSDAA, Dhaka, Bangladesh
- Workshop on “Multivariate Analysis & Its Recent Development”-2006 organized by DRRSDM Research Group, Department of Statistics, University of Rajshahi
- Workshop on “Pattern Recognition & Data Mining” – 2008, organized by DRRSDM Research Group, Department of Statistics, Rajshahi University
- Workshop on “Probability Theory and Applications in Machine Learning” during 09-10 Sept., 2011, Department of Statistics, Rajshahi University, Bangladesh.
- Workshop on “Calculus I for Machine Learning” during 28-30 July. 2011, Department of Statistics, Rajshahi University, Bangladesh.
- Workshop on “Matrix Analysis and Their Applications in Statistical Learning Theory” during Sept. 30 – Oct. 01, 2011, Department of Statistics, Rajshahi University, Bangladesh.
- Training on “Multivariate Calculus for Machine Learning” during 25 - 26 Nov., 2011, Department of Statistics, Rajshahi University, Bangladesh.

Administrative Positions and social commitments:

- (Chancellor Nominated) **Syndicate Member** (10/09/2013 – 12/07/2018), Islamic University, Kushtia, Bangladesh.
- **Member** (for one year of 2016), the Self – Assessment Committee of the Statistics Department at Islamic University, Kushtia, Bangladesh. This program runs under the Institutional Quality Assurance Cell (IQAC) of Islamic University, which is designed and funded by HEQEP, University Grants Commission of Bangladesh.
- **Member**, Planning Committee, Department of Statistics, Islamic University, Kushtia, Bangladesh.
- **Director**, Riverine People, a non-profit organization for river conservation activities in Bangladesh

Op-Ed Articles in the leading national dailies

- Mismanagement and Good Governance of the National University of Bangladesh (জাতীয় বিশ্ববিদ্যালয়ের অব্যবস্থাপনা ও করণীয়), 25 January, 2021 and 03 March, 2020. URL: <https://epaper.samakal.com/nogor-edition/2021-01-25/4> and <https://www.samakal.com/print/200329472/print>
- Progressivism and Bigotry in Facebook (ফেসবুক দুনিয়ার প্রগতিশীলতা ও প্রতিক্রিয়াশীলতা), 9 December, 2020. URL: www.samakal.com/print/201270948/print

- Political Economy of Coronavirus (করোনাভাইরাসের রাজনৈতিক অর্থনীতি), 5 April, 2020. URL: <https://epaper.samakal.com/nogor-edition/2020-04-05/4>
- University Autonomy and Government Uniform Policy (স্বায়ত্তশাসন বনাম 'অভিন্ন নীতিমালা'), 4 September, 2019. URL: <https://www.samakal.com/print/1909661/print>
- University Grants Commission: Then and Now (সেই ইউজিসি, এই ইউজিসি), 1 May, 2019. URL: <https://www.samakal.com/print/190530/print>
- The Economy of Celebrating Bangla New Year (বৈশাখের অর্থনীতি), 14 April, 2019. URL: <https://www.samakal.com/print/19042618/print>
- GK Project Versus River Protection (জিকে প্রকল্প বনাম নদী সুরক্ষা), 6 April, 2019. URL: <https://www.samakal.com/print/1904949/print>
- Aspiring the continuation of Development (উন্নয়নের ধারাবাহিকতা কাম্য), 24 December, 2018. URL: <https://www.samakal.com/print/18124785/print>
- No Indiscriminate Sand Extraction from River (নির্বিচারে বালু উত্তোলন নয়), 28 September, 2018. URL: <https://www.samakal.com/print/18095839/print>
- When Budget Increase is Meaningless Even in Education Sector (বাজেট বৃদ্ধি যখন অর্থহীন হয়), 22 July 2018. URL: <https://www.samakal.com/print/18074561/print>
- Rural Education System and its Government Budget (গ্রামীণ শিক্ষা ব্যবস্থা ও শিক্ষা বাজেট), 5 July, 2018. URL: <https://www.samakal.com/print/1807856/print>
- Demanding People's Rights on Natural Resources (প্রাকৃতিক সম্পদে জনঅধিকার প্রতিষ্ঠা চাই), 11, June, 2018. URL: <https://www.samakal.com/print/18062147/print>
- Let River Shape its Economy (নদী যে অর্থনীতির কথা বলে), 24 March 2018, the Daily Samakal. URL: <https://www.samakal.com/print/18034728/print>
- On the Crisis of Quota System in Job Market (চাকরিতে কোটা), 5 March, 2018. URL: <https://www.samakal.com/print/1803860/print>
- An Ideal Teacher (আদর্শ শিক্ষক), 28 January, 2018. URL: <https://www.samakal.com/print/18015869/print>
- Digitalization and Vision 2021 in Bangladesh (ডিজিটাইজেশন ও রূপকল্প ২০২১), 15 January, 2018. URL: <https://www.samakal.com/print/18013048/print>
- The Education System of Disequilibrium of Demand and Supply (চাহিদা ও জোগানের ভারসাম্যহীন শিক্ষা ব্যবস্থা), 31 December, 2017. URL: <https://www.samakal.com/print/17125848/print>
- Abilities Versus Health Services in Development (উন্নয়নে-সামর্থ্য-বনাম-স্বাস্থ্যসেবা), 4 December, 2017. URL: <https://www.samakal.com/print/1712360/print>
- Rohingya Crisis: Humanity Versus Religion: (মানবতা বনাম ধর্মতন্ত্র), 10 October, 2017. URL: <https://www.samakal.com/print/17101755/print>
- Recovery of the remittance crisis by keeping the pace of development (উন্নয়নই রেমিট্যান্স সঙ্কটের উত্তরণ), 27 August, 2017. URL: <https://www.samakal.com/print/1708320397/print>
- University Grants Commission and the Autonomy of Bangladeshi Universities (ইউজিসি ও বিশ্ববিদ্যালয়ের স্বায়ত্তশাসন), 22 July, 2017. URL: <https://www.samakal.com/print/1707310145/print>
- Where is the Economy headed? (অর্থনীতি কোন পথে), 11 July, 2017. URL: <https://www.samakal.com/print/1707306946/print>
- Fighting for Progress, Fighting for Survival (তোমার এগিয়ে যাওয়া, আমার বেঁচে থাকা), 4 May, 2017. URL: <https://www.samakal.com/print/1705289831/print>
- Political Unity for Protecting Transboundary Rivers (নদী রক্ষায় রাজনৈতিক ঐক্য), 5 March 2017, the Daily Samakal. URL: <https://www.samakal.com/print/1703274712/print>

Computer Skills:

Stata 16.0, R Language, Eviews 11, SPSS 22 , MS Office, C & C++

Language Proficiency:

English (Fluent), Bangla (Native)

Personal Details:

Father's Name: Saleh Uddin

Mother's Name: Sufia Akter

Permanent Address: Vill.-Kirtonkhala, Post+Thana- Kendua, Dist: Netrakona

Date of Birth: 01/09/84

Nationality: Bangladeshi by birth

Marital Status: Married

Sex: Male

References:

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