DETAILS OF
PROF. DR. MD ABUD DARDA
(Son of a hero freedom fighter)



Web of Science™

SCOPUS

ORCID ResearchGate

Google Scholar ADScientific

Short Biography

Dr. Md. Abud Darda received his PhD in statistical sciences from the University of Padua, Italy, in 2014. He earned an MS in statistics from Lund University, Sweden, in 2009 with distinctions. He obtained M.Sc. and B.Sc. degrees in statistics from Chittagong University, Bangladesh.

Dr. Darda is a multidisciplinary researcher. He had experience as a research team member on several funded projects in Sweden, Italy, and Bangladesh. He is also a training specialist in research methods and data analysis. Dr. Darda has research interests in nonlinear estimations, energy economics, biomedical studies, sustainable development and livelihoods, contemporary social issues, and education policy. Dr. Darda has published many ISI-indexed journal articles, book chapters, and research notes. His research impact includes more than 500 citations with an h-index of 13 in Google Scholar and around 23,000 research reads in ResearchGate.

Dr. Darda is a renowned academician. He has more than 23 years of teaching and research experience as a full-time and part-time faculty member at various institutions, including public universities, private universities, and NU-affiliated colleges in Bangladesh. He also worked as a visiting consultant at Sultan Qaboos University, Oman. Currently, he is a professor of statistics and chairman of the academic committee for business studies at the National University, Gazipur, Bangladesh.

Website: **https://www.nu.ac.bd/statistics-department.php**

C. 1 General Information

Full Name	**PROFESSOR DR. MD ABUD DARDA**
Mailing Address	**Chairman** **Academic Committee (Business Studies)** Room No. 1137, Academic Building National University, Gazipur 1704 Bangladesh. Telephone: (+88) 017 1211 2899 (GSM) Fax : (+88) 02 929 1072 (Work) E-mail: abud.darda@nu.ac.bd ; dardabd@gmail.com
Areas of Research Interest	**Primary:** Applied Statistics, Multivariate Analysis, Non-parametric estimation, Demography. **Secondary**: Energy Policy, Sustainable Development, Tourism.

C. 2 Education Information

2011 – 2014	**Ph.D. in Statistics** (24 March 2014) Department of Statistical Sciences, **Università di Padova** Via Cesare Battisti 241, 35121 Padua, Italy. http://www.stat.unipd.it/
2008 – 2009	**M.Sc. in Statistic**s (07 December 2009) Department of Statistics, **Lunds Universitet** Box 117, SE-22100 Lund, Sweden. http://www.stat.lu.se/
1996 – 1998	**M.Sc. in Statistics** (29 June 1998) **First Class, Fifth Position** Department of Statistics, **University of Chittagong** Chittagong 4331, Bangladesh http://www.cu.ac.bd/
1991 – 1996	**B.Sc. Honors in Statistics** (10 October 1996) **Second Class, First Position** Department of Statistics, **University of Chittagong** Chittagong 4331, Bangladesh http://www.cu.ac.bd/
1990	**Higher Secondary Certificate (HSC)** **First Division,** Science Group Board of Secondary and Higher Education, Cumilla
1988	**Secondary School Certificate (SSC)** **First Division,** Science Group Board of Secondary and Higher Education, Cumilla

C. 3 Employment History

Current Position **(October 2023 – Till Date)**	**Professor of Statistics** Natural Science Academic Group **National University, Gazipur 1704, Bangladesh.**

(March 2016 – October 2023)	**Associate Professor of Statistics** Natural Science Academic Group **National University, Gazipur 1704, Bangladesh.**
Feb. 2005 – Feb. 2016	**Assistant Professor of Statistics** Natural Science Academic Group **National University, Gazipur 1704, Bangladesh.**
Fall – 2015 (Sept. 2015 – Jan. 2016)	**Visiting Consultant** (On leave from National University) Department of Mathematics & Statistics **Sultan Qaboos University, Muscat, Oman.**
Dec. 2003 – Feb. 2005	**Lecturer (Statistics) [22nd BCS]** Department of Statistics **Chittagong Government College, Chittagong, Bangladesh.**
Oct. 2001 – Dec. 2003	**Lecturer (Statistics)** Department of Computer Science and Engineering **International Islamic University Chittagong (IIUC) Chittagong, Bangladesh.**
Apr. 1999 – Oct. 2001	**Lecturer (Statistics)** M. A. Hashem College Noakhali, Bangladesh

C. 4 Skills in Computing

Languages: Working experience with R, MatLab, Mathematica, and Fortran.
Statistical Software: SPSS, STATA, Statgraphics, Statistica, XLstat.
Word Processing: Plain Tex, Latex, Microsoft Office.

C. 5 Research Impacts

Database (Till June 2024)	Criteria	Score
Google Scholar Citation	Total Citation	516
	h-index	13
	i-10 index	17
ResearchGate Database	Research Interest Score	290
	Research Reads	23,151
	h-index	10

C. 6 Teaching Experiences

Areas of teaching excellence include Elementary Statistics, Engineering Statistics, Business Statistics, Bio-statistics, Mathematical Statistics, Multivariate Statistical Analysis, Research Methodology, Statistical Inference, Regression Analysis, and Sampling Techniques.

Graduate-level Courses:

- Advanced Theory of Statistics
- Theory of Inference
- Business Statistics for MBA
- Demography
- Research Methodology
- Multivariate Analysis
- Applied Statistics
- Biostatistics

C. 7 List of Publications

C. 7.1 Articles in peer-reviewed journals

32. MAH Bhuiyan, **Darda, MA.** (2024). Socioeconomic impacts of coastal tourism on local communities in Kuakata, Bangladesh, ADBI Working Paper 1430, Asian Development Bank Institute (ADBI), Tokyo.

31. MA Mia, MI Khalil, **MA Darda** (2023). Effect of Asset and Equity Structures on Financial Distress: A Study on Private Commercial Banks in Bangladesh, DIU Journal of Business & Entrepreneurship 16 (2), 141-155.

30. MAH Bhuiyan, **Darda, MA** (2023). Local perspectives of ecotourism development in the Terengganu State of Malaysia. Revista Turismo & Desenvolvimento (RT&D)/Journal of Tourism & Development, 41, p187 [**SCOPUS].**

29. MAH Bhuiyan, **Darda, MA** (2022) The COVID-19 Pandemic and Sustainable Tourism Development, Nature, Environment, and Pollution Technology 21 (4), 1913 – 1919 [**SCOPUS**].

28. MAH Bhuiyan, MA Darda, MB Hossain (2022). Corporate social responsibility (CSR) practices in Islamic banks of Bangladesh, Social Responsibility Journal 18 (5), 968-983 [**SCOPUS, Q2**].

27. Darda, MA., and Bhuiyan M.A.H. (2022). A Structural Equation Model (SEM) for the socio-economic impacts of ecotourism development in Malaysia. *PLoS ONE* 17(8): e0273294. https://doi.org/10.1371/journal.pone.0273294 [**Published by *PLOS* US, Q1, IF:3.36, SCOPUS**].

26. M.A.H. Bhuiyan, **Darda, MA.,** and M.R. Hasan. (2021). Tourist perception and satisfaction on safari tourism at Bangabandhu Sheikh Mujib Safari Park in Bangladesh. *International Journal of Geoheritage and Parks*, 9(4):430-440 https://doi.org/10.1016/j.ijgeop.2021.11.005 [**Published by *Elsevier*, Q2, SCOPUS**].

25. Methun, M.I.H, Kabir A., Islam, S. Hossain M.I., and **Darda, MA.** (2021). A machine learning logistic classifier approach for identifying the determinants of under-5 child morbidity in Bangladesh. *Clinical Epidemiology and Global Health*, 12:10812 [**Published by *Elsevier*, Q3, SCOPUS**].

24. M.A.H. Bhuiyan, **Darda, MA.,** and M.B. Hossain. (2021). Corporate social responsibility (CSR) practices in Islamic banks of Bangladesh. *Social Responsibility Journal*, https://doi.org/10.1108/SRJ-07-2020-0280 [**Emerald Publishing, Q2, SCOPUS**].

23. Bhuiyan M.A.H. and **Darda, MA.** (2021) Measurement of tourists' satisfaction in lake kenyir of Malaysia. *Journal of Tourism and Development (Revista de Turismo & Desenvolvimento)*, 35:227–242. [**Q4, SCOPUS**].

22. Bhuiyan M.A.H. and **Darda, MA.** Tourism for sustainable development goals (SDGs) achievement in Bangladesh. Bangladesh Journal of Public Administration (BJPA), 29(2):53–63, 2021.

21. Ahmmed, M., Anee, SA, Babu, MA, Salim, ZR, Shohel, M, Babu, JA, Ahmad, J and **Darda, MA. (**2020). Disparities in Maternal and Newborn Health Interventions in Bangladesh: Evidence from the latest Demographic and Health Survey, *Annals of Tropical Medicine and Health*, 23(16), 231-639. [**Q2, SCOPUS**]

20. Bhuiyan, MAH, **Darda, MA**, Habib, MH., and Hossain, MB. (2020). Marine Tourism for Sustainable Development in Cox's Bazar, Bangladesh. *ADBI Working Paper 1151*. Asian Development Bank Institute (ADBI), Tokyo 100-6008, Japan.

19. Hasan, S., Bhuiyan, MAH., **Darda**, **MA**, Hossain, MB., and Habib, MW. (2020). Bond Market Development in Bangladesh: Capacity Building, Challenges, and Policy Initiatives. *Academy of Strategic Management Journal*, 19 (4):1939-6104-19-4-576. [**Q2, SCOPUS**]

18. Bhuiyan, MAH, and **Darda**, MA. (2019). Tourists' satisfaction on heritage sites of Dhaka city in Bangladesh. *International Journal of Culture, Tourism and Hospitality Research*, 14(1): 34-43. [**Q2, SCOPUS**]

17. Darda, MA, Rahman, MK., and Talukder, AA. (2019). A Nonparametric Approach to Study the Consequences of Cost and Management Accounting Adoption in the Cement Industry of Bangladesh, *National University Journal of Science*, Vol. 6(1), June 2019: 39 – 50.

16. **Darda, MA** and Ahmmed, M. (2019). Effects of Maternal and Child Health Outcomes on GDP Growth Rate in Bangladesh, *National University Journal of Science*, Vol. 6(1), June 2019: 113 – 128.
15. Bhuiyan, M.A.H. and **Darda**, **M.A**. 2018. Prospects and potentials of halal tourism development in Bangladesh. *Journal of Tourismology*, **4**(2): 93–106.
14. Mohabbat, M.N., Rahman, M.K. and Darda, M.A. 2018. Tax Avoidance and Evasion Practices in Bangladesh: A Study on Dhaka City, Research Journal of Finance and Accounting, 9(20):98-102.
13. Rahman, M.K, AA. Talukder, **MA**. **Darda** (2017). Extent of Use of Cost and Management Accounting in the Cement Industry of Bangladesh. European Journal of Business and Management, **9**(36):115-125.
12. Rahman, M.K., DA. Swarna, **MA. Darda** (2017). Job Satisfaction of Female Employees in Private Banks of Bangladesh. Management Development, **31**(2):15 – 34.
11. Costa, L., E, Lubrano, R. Ramonda, MS. Chimenti, M. Vezzu, FM. Perotta, AD. Puente, R. Peluso, P. Bottiglieri, M. Lorenzin, F. Sunzini, **MA. Darda**, U. Fiocco, R. Perricone, L. Punzi, R. Scarpa and F. Caso (2017). Elderly psoriatic arthritis patients on TNF-α blockers: results of an Italian multicenter study on minimal disease activity and drug discontinuation rate. *Clinical Rheumatology*, **36**(8): 1797–1802. DOI: 10.1007/s10067-017-3697-3. [Published by ***Springer*, Q2, SCOPUS**].
10. Riaz, S and **MA, Darda** (2016). Some classes of estimators in the presence of non-response using auxiliary attribute. *Springer Plus*. **5**(1):1271-1285, DOI: 10.1186/s40064-016-2922-x. [Open Access, Published by ***Springer*, Q1**].
09. Caso, F., R. Ramonda, A. D. Puente, **MA. Darda**, L. Cantarini, R. Peluso, C. Esposito, A. Ortolan, U. Fiocco, L. Punzi, R. Scarpa, and L. Costa (2016). Influenza vaccine with adjuvant on disease activity in psoriatic arthritis patients under anti-TNF-α therapy. *Clinical and experimental rheumatology.* **34**(3): 507 – 512. [Published by ***Springer*, Q2, SCOPUS**]
08. **Darda, MA.** R. Guseo and C. Mortarino (2015). Nonlinear production path and an alternative reserves estimate for South Asian natural gas. *Renewable and Sustainable Energy Reviews*. Vol. 47 (July 2015), 654-664, doi:10.1016/j.rser.2015.03.069. [Published by ***Elsevier*, Q1, SCOPUS**]
07. Guseo, R., C. Mortarino, and **MA. Darda** (2015). Homogeneous and heterogeneous diffusion models and their extensions: Algerian natural gas production. *Technological Forecasting and Social Change*. **90**(B): 366-378. DOI: 10.1016/j.techfore.2014.05.011. [Published by ***Elsevier*, Q1, SCOPUS**]
06. Costa, L., F. Caso, R. Ramonda, A. D. Puente, L. Cantarini, **Darda, MA.**, P. Caso, U. Ficco, R. Ramonda, L. Punzi, and R. Scarpa (2015). Metabolic syndrome and its relationship with the achievement of minimal disease activity state in psoriatic arthritis patients: an observational study. *Immunologic Research*, **(ISSN: 1559-0755, Impact Factor: 2014: 3.098)** *61*(1–2), 147–153. DOI:10.1007/s12026-014-8595-z. [Published by ***Springer*, Q2, SCOPUS**]
05. Hossain, B., M. Bhuyian, **Darda, MA.**, and C. Siwar (2015). Prospects of community economy development in Bangladesh: Experiences from rural communities. *Advances in Architecture, City and Environment 1*(1), 5–6. [Published from **Malaysia**]
04. Costa, L., F. Caso, M. Atteno, A. Del Puente, **MA. Darda,** P. Caso, A. Ortolan, U. Fiocco, R. Ramonda, L. Punzi, and R. Scarpa (2014). Impact of 24-month treatment with etanercept, adalimumab, or methotrexate on metabolic syndrome components in a cohort of 210 psoriatic arthritis patients. *Clinical Rheumatology*. 33(6):833 – 839, DOI: 10.1007/s10067–013–2369–1. [Published by ***Springer*, Q3, SCOPUS**]
03. **Darda, MA.** (2014). An Investigation of Agricultural Farm Dynamics using bivariate binary regression. *South Asian Journal of Research in Social Science and Humanities*. **4**(9):28 – 40. DOI: 10.5985/2249-7315.2014.00965.4. [Published from **India**]
02. **Darda, MA.** (2014). On modelling temperature volatility dynamics. *Jahangir Nagar University Journal of Information Technology*. September 12, 2014.
01. Biswas, SC., **MA. Darda** and MF. Alam (2001). Factors affecting childhood immunization in Bangladesh. *Pakistan Development Review*.**40**(1):57–70. [**Q4, SCOPUS**]

C. 7.2 Conference Proceedings

11. Bhuiyan, MAH and **Darda, MA** (2023). Socioeconomic Impacts of Coastal tourism on Local Communities in Kuakata, Bangladesh. Paper presented at the ADBI-OPRI-ANCORS International Conference on "Achieving Ocean Equity: Innovative, Fair, Inclusive and Sustainable Strategies and Blue Impact Investments", University of Wollongong, New South Wales Australia, Feb 27-Mar 1, 2023.

10. Bhuiyan, MAH., **Darda**, **MA**., Habib, MW, and Hossain, MB. (2020). Marine Tourism for Sustainable Development in Cox's Bazar, Bangladesh. In the ADBI-OPRI-APAEA Regional Conference and Policy Dialogue on "Blue Economy, Ocean Tourism, and Sustainable Blue Financing", Nadi, Fiji, Feb 25-27, 2020.

9. **Darda**, **MA**, Hossain, MB, and Bhuiyan, MAH. **(**2020). Development, displacement and sustainable livelihood: an expedition for national resettlement and rehabilitation policy of Bangladesh. Paper presented at 7th International Conference on Public Administration and Development, Bangladesh Public Administration Training Center (BPATC), Savar, Dhaka, Bangladesh, Feb 5-8, 2020.

8. Bhuiyan, MA, **Darda, MA,** and Habib, MW. (2019). Ecosystem-based Adaptation for Indigenous Community Well-being at Kaptai Lake in Chittagong Hill Tracts (CHT), Bangladesh. In Regional experts' symposium on ecosystem-based adaptation in the Hindu Kush Himalaya, International Centre for Integrated Mountain Development (ICIMOD) and Chengdu Institute of Biology, Chinese Academy of Sciences (CIB-CAS), Chengdu, China, Dec 17-19, 2019

7. Bhuiyan, M.A.H. and Darda, M.A. (2018). Essence of Water Resource for Agriculture Production in Chittagong Hill Tracts (CHT), Bangladesh". Proceedings in the regional knowledge forum on drought. International centre for integrated mountain development (ICIMOD) and Asian disaster preparedness center (ADPC), Kathmandu, Nepal, October 8-10, 2018.

6. Darda, MA. (2018). A Generalization of Diffusion Models in terms of Logistic Distribution for Cumulative Growth. In Institute of Mathematical Statistics Asia Pacific Rim Meeting (IMS-APRM) 2018, National University of Singapore (NUS), June 26 – 29, 2018.

5. Bhuyian, M. and **Darda, MA.** (2017). Tourism Value Chain as Potential Cryosphere Service Function for Sustainable Development in Chittagong Hill Tracts (CHT), Bangladesh. In *International Workshop on Cryospheric Change and Sustainable Development*, *Lanzhou, China*, 1-2 August 2017.

4. Bhuyian, M. and Darda, MA. (2017). Prospects and Potentials of Halal Tourism Development in Bangladesh. In Proceedings of 1st International Halal Tourism Congress, Alanya, Turkey, 07-09 April 2017, pp. 1246 – 1254.

3. Hossain, B., M. Bhuyian, and **Darda, MA.** (2013). Human resource management practices of far-east Islamic Life Insurance Company Ltd. in Bangladesh. In *Proceedings of 1st Insurance and Takaful International Symposium, UKM Bangi, Selangor, Malaysia*. 7–8 October 2013.

2. **Darda, MA.** (2012). South Asian energy security: Statistical prediction and strategic forecast for natural gas. In Proceedings of Bangladesh Statistical Association (BSA) International Statistical Conference, pp. 173–182.

1. **Darda, MA,** R. Guseo, and C. Mortarino (2012). Modelling diffusion of innovations with homogeneous and heterogeneous populations. In Proceedings of the 12th Islamic Countries Conference on Statistical Sciences (ICCS- 12), Qatar University, Doha, Qatar, 23, pp. 329–344.

C. 7.3 Research Projects

5. Khan, A. I., **MA. Darda** and MI. Hosain (2024). The extent of Bullying at Secondary Level Educational Institutions in Bangladesh. *Project Report,* National Academy for Educational Management (NAEM), Ministry of Education, Dhaka, Bangladesh. June 2024. (Research grant financed by the Ministry of Education, Government of Bangladesh.).

4. **Darda, MA**, Bhuiyan, MAH, and Habib, W (2020). Social Media Participation and its effect on academic performance of graduate-level students in Bangladesh. Project Report, Social Science Research Council, Ministry of Planning, Dhaka, Bangladesh, June 2020. (Research grant supported by the Ministry of Planning, Government of Bangladesh.)

3. Khan, A. I., **MA. Darda** and MAH. Bhuiyan (2018). Secondary School Students' Participation in Social Media: An Analysis. *Project Report*, National Academy for Educational Management (NAEM), Ministry of Education, Dhaka, Bangladesh. June 2017. (Research grant financed by the Ministry of Education, Government of Bangladesh.).
2. Khan, A. I., **MA. Darda** and MA. Hosain (2017). State of Gender Responsive Environment in the Training Institutions under the Ministry of Education of Bangladesh. *Project Report*, National Academy for Educational Management (NAEM), Ministry of Education, Dhaka, Bangladesh. June 2017. (Research grant financed by the Ministry of Education, Government of Bangladesh.).
1. Bilkis, R., **MA. Darda** and MAR. Tamim (2011). A Research study on Practices of Planning in Secondary Education of Bangladesh: Problems and Prospects. *Project Report*, National Academy for Educational Management (NAEM), Ministry of Education, Dhaka, Bangladesh. June 2011. (Research grant financed by the Ministry of Education, Government of Bangladesh.)

C. 8 Research Supervision

- **PhD Research** Supervision: **02** [Ongoing]

  1. Research title: "Determinants and Differentials of Safe Delivery Practices in Bangladesh"
  - Mortuza Ahmed, Department of Statistics, National University, Gazipur 1704, Bangladesh.

  2. Research Title: "Statistical Analysis of Secondary Education Quality of Bangladesh"
  - Md Emdad Hossain, Department of Statistics, National University, Gazipur 1704, Bangladesh.

- **Advanced Master Degree** (Equivalent to M. Phil) thesis supervision: **11** [Completed]

C. 9 Professional Development and Leadership

C. 9. 1 Membership in Professional Societies

Life member, Bangladesh Statistical Association
Member, International Statistical Institute (ISI), The Netherlands, https://www.isi-web.org/
Member, Institute of Mathematical Statistics, USA, http://imstat.org
Member, Lund University School of Economics and Management Alumni (LUSEM)
Member, Islamic Countries Society of Statistical Sciences (ISOSS), http://www.isoss.net/

C. 9. 2 Reviewer for Refereed International Journal

I have contributed as a reviewer for the following refereed scholarly journals.

- Physica-A, Elsevier B.V., USA.
- Journal of Applied Probability and Statistics, USA.
- Sustainability, MDPI AG, Switzerland.
- Energies, MDPI AG, Switzerland.
- International Journal of Mathematics and Soft Computing, India.
- National University Journal of Science, Bangladesh.

C. 9.3 Administration and Miscellaneous

Chairman, Academic Committee, Business Studies Group, National University.
Member, Academic Council, National University
Member, Board of Advanced Studies, National University
Member, Editorial Board, National University Journal of Science.
Associate Editor, *PLOS ONE*.
Former Warden, IIUC Students' Hostel.
Former Group Leader, Alaol Hall Debating Group, Chittagong University

C. 10 Personal Information

Full Name	MD ABUD DARDA (as in passport)
Present Address	Swandip Castle, Apartment # 3C CB 23, Muslim Modern School Road Old Kachukhet, Dhaka Cantonment Dhaka 1206, Bangladesh.
Permanent Address	Azima Manjil, Vill. Motipur (Municipal Area) P.O. Sonapur 3802, P/S. Noakhali Sadar Dist. Noakhali, Bangladesh.
Date of Birth	09 January, 1973
Sex	Male
Marital Status	Married
Spouse	Farhana Shakhawat (*Daughter of a Hero Freedom Fighter*)
Citizenship	Bangladeshi (Born and brought up in Bangladesh)
Countries Visited	Sweden, Italy, Oman, Qatar, Singapore, Slovenia, Vatican City

C. 11 Referees for Dr. Md. Abud Darda

1. **Professor Renato Guseo, PhD**
   Department of Statistical Sciences,
   University of Padua
   Via C. Battisti 241, 35121 Padua, Italy,
   Phone: +39 049 827 4146, Fax: +39 049 827 4170
   E-mail: renato.guseo@unipd.it
   http://homes.stat.unipd.it/renatoguseo/en/content/home

2. **Hafiz T.A. Khan, PhD, FRSA, FRSPH**
   Professor of Public Health and Statistics
   College of Nursing, Midwifery, and Healthcare
   University of West London
   St Mary's Road, Ealing, London
   W5 5RF, United Kingdom
   Mobile: +44 (0) 7707618881
   Email: htakhan@yahoo.com, hafiz.khan@uwl.ac.uk
   Skype: dr.hafizkhan

3. **Professor M. Nurul Islam, PhD**
   Pro Vice-Chancellor
   World University of Bangladesh
   Plot: 5 - 8, Avenue 6 & Lake Drive Road
   Sector: 17/H, Uttara, Dhaka - 1230.
   Mobile: +880-1726-134464
   Email: nurul241948@gmail.com

Md. Abud Darda
01/08/2024
National University Bangladesh
Gazipur, 1704