1st floor, Rahib Mansion, Uttar Dikkul, Cox’s Bazar Sadar, Cox’s Bazar, Bangladesh

[Web of Science](https://www.webofscience.com/wos/author/record/G-9469-2019), [Google Scholar](https://scholar.google.com/citations?user=uL4sMPIAAAAJ&hl=en), [ResearchGate](https://www.researchgate.net/profile/Mohammad_Hasan19), [Linkedin](ttps://www.linkedin.com/in/nayeem5847), [nayeem5847@gmail.com](mailto:nayeem5847@gmail.com), **Cell:** +8801671912637

**Education**

* **Master of Science (M.S.)** in Statistics (with thesis), Shahjalal University of Science and Technology, Sylhet, Bangladesh **(SUST)**, CGPA: 3.50/4.00, Passing year: 2018
* **Second Major** in Computer Science and Engineering, SUST, CGPA: 3.25/4.00, Passing year: 2016
* **Bachelor of Science (B.Sc.)** in Statistics, SUST, CGPA: 3.40/4.00, Passing year: 2016

**Professional Experience**

1. **Monitoring and Evaluation Officer** (Health and WASH), Green Hill, Cox’s Bazar (Feb-23 to present)

**Responsibilities:** Participating in monitoring and evaluation of the Joint Rohingya Response Program (JRRP)

2. **Health Information System Officer**, Food for the Hungry, Cox’s Bazar (Mar-22 to Feb-23)

**Responsibilities:** Preparing and submitting all types of JRRP health facility reports

3. **Management Information System Officer**, Partners in Health & Development (Feb-21 to Feb-22)

**Responsibilities:** Participating in monitoring, designing, assessing, learning, and implementing JRRP studies

**Statistical Programming Language & Analytical Skills**

Statistics, Biostatistics, forecasting & modelingusing **R, Python, SPSS, SAS, and STATA**

**Research Experience**

1.Quantitative Measure of Healthy Aging in Sylhet City: A Frailty Index Approach, Sponsored by University Research Centre, **Role:** Research Assistant

2. Ground Water in the Vicinity of Sylhet City, Bangladesh: Assessment of Quality and Association Based on Multivariate Statistical Techniques, Sponsored by University Research Centre, **Role:** Research Assistant

3. Extent of Lifestyle and Heritability Effects on Cancer: Bangladesh Perspective, Sponsored by the University Research Centre, **Role:** Research Assistant

**Publications**

1. **Hasan MN**, et al. Two Decades of Endemic Dengue in Bangladesh (2000-2022): Trends, Seasonality, and Impact of Temperature and Rainfall Patterns on Transmission Dynamics. **J Med Entomol. (**[**Link**](https://doi.org/10.1093/jme/tjae001)**)**

2. Haider N, Asaduzzaman M, **Hasan MN**, et al. Bangladesh’s 2023 Dengue outbreak – age/gender-related disparity in morbidity and mortality and geographic variability of epidemic burdens. **IJID (**[**Link**](https://doi.org/10.1016/j.ijid.2023.08.026)**)**

3. Ghosh S, **Hasan MN**, et al. Progress towards one health approach for dog-mediated human rabies elimination in Bangladesh: on the way to zero by 30. **(Under review: The Lancet Regional Health) (Pre-print:** [**Link**](https://doi.org/10.21203/rs.3.rs-3201454/v2)**)**

4. Haider N, **Hasan MN**, et al. The 2022 dengue outbreak in Bangladesh: hypotheses for the late resurgence of cases and fatalities. **J Med Entomol. (**[**Link**](https://academic.oup.com/jme/article/60/4/847/7172758?login=false)**)**

5. **Hasan MN**, et al. Early childhood developmental status and its associated factors in Bangladesh: a comparison of two consecutive nationally representative surveys. **BMC Public Health. (**[**Link**](https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-023-15617-8)**)**

6. Haider N, **Hasan MN**, et al. The disproportionate case–fatality ratio of COVID-19 between countries with the highest vaccination rates and the rest of the world. **IJID Regions. (**[**Link**](https://www.sciencedirect.com/science/article/pii/S2772707623000115?via%3Dihub)**)**

7. **Hasan MN**, et al. Knowledge of HIV/AIDS among married women in Bangladesh: analysis of three consecutive multiple indicator cluster surveys (MICS). **AIDS Res Ther. (**[**Link**](https://aidsrestherapy.biomedcentral.com/articles/10.1186/s12981-022-00495-8#:~:text=In%202019%20MICS%20survey%2C%2077.13,2012%20MICS%20survey%20(70.10%25).)**)**

8.Islam MA, **Hasan MN**, et al. Association of household fuel with acute respiratory infection (ARI) under-five years children in Bangladesh. **Front Public Health. (**[**Link**](https://www.frontiersin.org/articles/10.3389/fpubh.2022.985445/full)**)**

9. Sorowar HM, Siam MHB, **Hasan MN**, et al. Knowledge, attitude, and practice towards blood donation among residential students and teachers of religious institutions in Bangladesh - A cross-sectional study. **Heliyon (**[**Link**](https://www.cell.com/heliyon/fulltext/S2405-8440(22)02080-1?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS2405844022020801%3Fshowall%3Dtrue)**)**

10. **Hasan MN**, et al. The Global Case-Fatality Rate of COVID-19 Has Been Declining Since May 2020. **Am J Trop Med Hyg. (**[**Link**](https://pubmed.ncbi.nlm.nih.gov/33882025/)**)**

11. **Hasan MN**, et al. Cesarean delivery and early childhood diseases in Bangladesh: An analysis of Demographic and Health Survey (BDHS) and Multiple Indicator Cluster Survey (MICS). **PLoS One. (**[**Link**](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0242864)**)**

12. Haider N, Yavlinsky A, Chang YM, **Hasan MN**, et al. The Global Health Security Index and Joint External Evaluation score for health preparedness are not correlated with countries’ COVID-19 detection response time and mortality outcome. **Epidemiol Infect. (**[**Link**](https://pubmed.ncbi.nlm.nih.gov/32892793/)**)**

13. **Hasan MN,** et al. Assessment of groundwater quality in the vicinity of Sylhet City, Bangladesh: a multivariate analysis. **Sustain Water Resour Manag. (**[**Link**](https://link.springer.com/article/10.1007/s40899-020-00448-x)**)**

14. Ferdushi KF, Kamil AA, **Hasan MN**, et al. Factors Associated with Coronary Heart Disease among Elderly People in Different Communities. **Statistics for Data Science and Policy Analysis. (**[**Link**](https://link.springer.com/chapter/10.1007/978-981-15-1735-8_16#:~:text=Significant%20risk%20factors%20associated%20with,and%20physical%20inactivity%20%5B5%5D.)**)**

15. **Hasan MN**. A Comparison of Logistic Regression and Linear Discriminant Analysis in Predicting of Female Students Attrition from School in Bangladesh. **IEEE (**[**Link**](https://ieeexplore.ieee.org/document/9068776/)**)**

**Reviewer activities**

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| Journal of Health, Population and Nutrition | Scientific Reports | BMC |
| Research in Health Services & Regions | PLOS Global Public Health | Plos One |

**Board Memberships, Professional Associations, and Affiliations**

|  |
| --- |
| * Editorial board member, PLOS ONE (2023 to present) * Editorial board member, Frontiers in Water (2023 to present) * Biostatistician, Biostatistics, Epidemiology and Public Health Research Team (2023 to present) * Researcher, Biomedical Research Foundation (2021 to present) |

**Conferences**

1. **Oral presentation** on “Global case-fatality rate of COVID-19 is declining since May 2020” at the “World One Health Congress 2020” Conference.

2. **Oral presentation** on “A Comparison of Logistic Regression and Linear Discriminant Analysis in Predicting of Female Students Attrition from School in Bangladesh” at the “Electrical Information & Communication Technology 2019” Conference”.

3. **Oral presentation** on “Association between exclusive breastfeeding and common childhood diseases in Bangladesh” in the “Data Science and SDGs: Challenges, Opportunities, & Realities 2019” Conference.

**Mentorship experience**

1. “**Workshop on Data Analysis Using SPSS**" organized by OGIVE Analytics

2. "**Statistics and Data Analysis for Research**" which is under the "Autumn 2020 Research Internship Program" organized by Chittagong University Research and Higher Study Society

3. “**Workshop on Data Analysis Using SPSS**” organized by SUST Science Arena

**Training participations**

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| --- | --- |
| **“R for Bioinformatics”** by CHIRAL  **“Astronomical Data Analysis”** by CAM\_SUST | **“Professional Report Writing Skills”** by BDJOBS  **“Research Techniques on Social Sciences”** by URC |

**Test Scores**

|  |  |
| --- | --- |
| * IELTS Score: 6.5 (L:6.5, R:7, W:5.5, S:6.5) | * GRE Score: 289 (V: 136, Q: 153, AW: 3) |