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)**, Passing year: 2018
* **Second Major** in Computer Science and Engineering, SUST, Passing year: 2017
* **Bachelor of Science (B.Sc.)** in Statistics, SUST, 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 program

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

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

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

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

4. **Project Supervisor and Data Analyst**, MAMOTA Project, Save the Children (Jul-19 to Dec-19)

**Responsibilities:** Managed survey and analyze data of maternal, newborn health, and family planning services

**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. Haider N, Asaduzzaman M, **Hassan MN**, et al. Bangladesh’s 2023 Dengue outbreak – age/gender-related disparity in morbidity and mortality and geographic variability of epidemic burdens. **International Journal of Infectious Diseases.**

2. 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. **Res Sq.** **(preprint)**

3. **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. **medRxiv.** **(preprint)**

4. Sangkham S, Islam MA, Sarndhong K, Vongruang P, **Hasan MN**, et al. Effects of fine particulate matter (PM2.5) and meteorological factors on the daily confirmed cases of COVID-19 in Bangkok during 2020–2021, Thailand. **Case Studies in Chemical and Environmental Engineering.**

5. Haider N, **Hasan MN**, et al. The 2022 dengue outbreak in Bangladesh: hypotheses for the late resurgence of cases and fatalities. **J Med Entomol.**

6. **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.**

7. Islam MdA, Hemo M k., Marzan A Al, Arman MdS, **Hasan MN**, et al. A short communication of 2022 dengue outbreak in Bangladesh: a continuous public health threat. **Annals of Medicine and Surgery.**

8. 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.**

9. Islam MA, Ahammed T, Noor STA, **Hasan MN**, et al. An Estimation of Five-decade Long Monkeypox Case Fatality Rate: Systematic Review and Meta-analysis. **J Pure Appl Microbiol.**

10. **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.**

11.Islam MA, **Hasan MN**, et al. Association of household fuel with acute respiratory infection (ARI) under-five years children in Bangladesh. **Front Public Health.**

12. **Hasan MN**, et al. The Global Case-Fatality Rate of COVID-19 Has Been Declining Since May 2020. **Am J Trop Med Hyg.**

13. **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.**

14. 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.**

15. **Hasan MN,** et al. Assessment of groundwater quality in the vicinity of Sylhet City, Bangladesh: a multivariate analysis. **Sustain Water Resour Manag.**

16. 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.**

**Editorial Board Member**

|  |  |
| --- | --- |
| 1. PLOS ONE | 2. Frontiers in Water |

**Reviewer activities**

|  |  |  |  |
| --- | --- | --- | --- |
| Frontiers in Public Health | Scientific Reports | BMC Public Health | PLOS ONE |
| Journal of Health, Population and Nutrition | BMC Research Notes | BMC Pediatrics | Qeios |
| Research in Health Services & Regions | Dialogues in Health | BMC Cancer |  |

**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**

|  |  |
| --- | --- |
| 1. **“R for Bioinformatics”** by CHIRAL  2. **“Astronomical Data Analysis: Introduction & How it Works”** by CAM\_SUST | 3. **“Professional Report Writing Skills”** by BDJOBS  4. **“Research Techniques on Social Sciences”** by SUST Research Center |