

# MD TAMZID HASAN

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Research Profile: [Google Scholar](#) | [Researcher ID](#) | [ResearchGate](#) | [ORCID](#)

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## ACADEMIC CREDENTIALS

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- **Master of Public Health (MPH) | Major in Epidemiology** January 2023  
Department of Public Health, North South University (NSU), Bangladesh
- **Masters in Electric Power Engineering (MEPE)** On hold  
Department of Electrical Engineering,  
Chalmers University of Technology (CTH), Sweden | Credit Completed: 75
- **BSc in Electrical and Electronic Engineering** June 2011  
Department of Electrical and Electronic Engineering,  
Ahsanullah University of Science and Technology (AUST), Bangladesh

## Academic Research Work

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- MPH thesis on “Prevalence of Myopia and Dry Eye Disease (DED) among the Digital Device Users of Female Student of North South University.” Supervised by: Dr. Dipak Kumar Mitra, Professor, Department of Public Health, North South University, Dhaka, Bangladesh.
- Project work on “PTSD, Insomnia, and Suicidal Ideation among the Firefighters of Bangladesh”, Study Design: Cross-sectional, Year of Study Conduct: 2023 | *Funded by* Bangladesh Medical Research Council (BMRC) | *Principal Investigator:* Dr. Mohammad Delwer Hossain Hawlader, Associate Professor & Chairman, Department of Public Health, North South University, Dhaka, Bangladesh.
- MEPE design project on “Diagnostics of a High Voltage Converter Transformer using Non-destructive Methods.” Supervised by: Yuriy Serdyuk, Assistant Professor, Head of Power grids and Components, Department of Electric Power Engineering, Chalmers University of Technology.  
Co-Supervisor: Xiangdong Xu, Researcher at Power grids and Components, Department of Electric Power Engineering, Chalmers University of Technology.
- Undergraduate thesis on “Performance Analysis of Boost Inverter for using in PV System.” Supervised by: Md Jakaria Rahimi, Assistant Professor, Department of Electrical and Electronic Engineering, Ahsanullah University of Science and Technology, Dhaka, Bangladesh.

## Scholarship & Award

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- **2021:** University scholarship for master’s program awarded from North South University, Dhaka, Bangladesh. Program: Master of Public Health (MPH)
- **2019 & 2020:** International student scholarship for master’s program in Sweden awarded from “Adlerbert Foreign Student Hospitality Foundation”. Program: Masters in Power Engineering (MPE)
- **2019:** Scholarship awarded from Council of Europe to attend the study session of Peace in the Spotlight in Strasbourg, France.
- **2018:** Erasmus+ scholarship awarded to attend the training on Project Management in Athens, Greece. Program: Project management in the frame of Peers to Peace

## PROFESSIONAL EXPERIENCE

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- **Consultant | Jhpiego Bangladesh (Johns Hopkins University Affiliate)** January 2023 – February 2024  
**Responsibilities:**
  - Review of existing tools and literature to prepare for assessing facility readiness for the provision of maternal immunization.
  - Collaboration with EPI & Surveillance, MNCAH, Directorate General of Health Services (DGHS), Ministry of Health and Family Welfare (MoHFW), Bangladesh.
  - Propose and prepare a draft new tool for assessing facility readiness for the provision of maternal immunization
  - Make a presentation to top management in 1 to 2 hours session for final feedback
  - Train data collectors to help roll out of HF readiness tool.
- **Research Assistant | Global Health Institute, North South University.** August 2022 to now  
**Responsibilities:**
  - Literature review on immunization, Td vaccination coverage, Contraception, Early Initiation of Breastfeeding, Myopia and Dry Eye Disease etc.

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- Transcription and Translation of 40 IDIs, 10 KIIs, and 4 FGDs.
  - Proposal and questionnaire developing
  - Preparing a budget for the research project
  - Field survey, data monitoring, and data entry
  - Both quantitative and qualitative analysis
  - Grant proposal writing for the fund and development of the project.
- **Graduate Teaching Assistant | Dept. of Public Health | North South University** *June 2022 – January 2023*
- Responsibilities:**
- Assist faculty members with classroom instruction, exams, record keeping, and other miscellaneous projects and develop course plans.
  - Assist faculty members in the preparation of different module development.
  - Course curriculum development for the undergraduate students.
  - Assist academic staff with the development or update of learning materials, proctor exams, and record grades in the grade book.
  - Assist professors and department chairman with various administrative tasks.
  - Tutor or mentor students in class or outside.
  - Communicate with students and reply to their inquiries.
  - Take attendance and record responses.
  - Assist faculty members in lab class.
  - Grant proposal writing for the fund and development of the project.
- **Electrical Engineer | S.S. Engineering & Construction** *October 2013 – July 2017*
- Responsibilities:**
- Survey the site & manage the design and construction of electrical systems.
  - Prepare specifications for the purchase of materials and equipment.
  - Supervised and trained project team members.
  - Develop budgets, estimating labor, materials, and construction costs.
- **Assistant Engineer | Energy Systems (BD) Ltd.** *November 2011 – July 2012*
- Responsibilities:**
- Installation, commissioning, maintenance & designing of the solar system.
  - To assist in designing, installing, commissioning, and maintaining Solar Photovoltaic (PV) systems.
  - Prepare reports and design specifications, conduct research, and training, and supervise technicians.

## JOURNAL PUBLICATION

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4. Md. Shafiqul Islam, Syed Muhammad Baqui Billah, Jewell Ilias Rab, Abir Dey, Md. Habib Naziat, and **Md. Tamzid Hasan** (2024): Prevalence of Diabetic Retinopathy and Associated Risk Factors in the Southern Region of Bangladesh. International Journal of Human and Health Sciences. **DOI:** <http://dx.doi.org/10.31344/ijhhs.v8i2.640>
3. Azaz Bin Sharif, **Md Tamzid Hasan**, Syed Sharaf Ahmed Chowdhury, and Satyajit Kundu (2023): Inequalities in early initiation of breastfeeding in Bangladesh: An estimation of relative and absolute measures of inequality. International Breastfeeding Journal. <https://doi.org/10.1186/s13006-023-00584-y>
2. Azaz Bin Sharif, **Md Tamzid Hasan**, Md. Habib Naziat, Tahmina Zerine, and Satyajit Kundu (2023): Permanent, long-acting, and short-acting reversible contraceptive methods use among women in Bangladesh: An analysis of Bangladesh Demographic and Health Survey 2017-2018 data. BMJ Open 2023;13:e073469. **doi:10.1136/bmjopen-2023-073469**
1. Md Jakaria Rahimi, **Md Tamzid Hasan**, Ripan Kumar Dhar, Md Shaheer Ibne Islam, Khatune Jannat Siddiqua, and Shahriar Azgar (2011): Performance Analysis of Boost Inverter for Photovoltaic System. IJETSE International Journal of Emerging Technologies in Science and Engineering, **Vol.5, No.2, Dec 2011.**

## PROJECTS

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- **HFRA Tool** | “Health Facility Readiness Assessment (HFRA) Tool for Maternal Immunization (MI) in Bangladesh” *Published by* Expanded Program on Immunization (EPI), Maternal, Neonatal, Child & Adolescent Health (MNC&AH), Directorate General of Health Services (DGHS), Ministry of Health and Family Welfare (MoHFW) Bangladesh and *Supported by* Jhpiego. | **Role:** Contributor to the Development of the HFRA Tool.
- **MIRI Projects** | Project on “Maternal Immunization Readiness Initiative (MIRI)” funded by Bill & Melinda Gates Foundation and supported by International Vaccine Access Center (IVAC) and initiated by Jhpiego Bangladesh. | **Role:** Consultant.
- “A study on people’s perception, experience and usage of health facilities (2023)” Study Area: FDMN Camps, Cox’s Bazar, Bangladesh Funded by International Organization for Migration (IOM) Implemented by NSU Global Health Institute (NGHI) | Principal Investigator: Dr. Mohammad Delwer Hossain Hawlader, Ph.D.;

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Associate Professor, Department of Public Health, North South University, Dhaka, Bangladesh. | **Role:** *Qualitative Data Collector*.

- **CHSS** | Evaluation of the project “USAID’s Community-Health-Systems Strengthening Activity (CHSS): Project Monitoring & Evaluation (2023)” Funded by BRAC | Principal Investigator: Prof. Ahmed Hossain, Ph.D; Director, NSU Global Health Institute (NGHI). | **Role:** *Research Assistant*.

## WORKSHOPS & TRAININGS

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- **MEAL** | A training on “Mastering Monitoring, Evaluation, Accountability, Learning- Transferring Knowledge into Practice” by MEAL Perspectives Hub and certificate endorsed by The Public Health Informatics Foundation (PHIF). Duration: *6 weeks*
- **Health Inequality Monitoring** | “Health inequality monitoring foundations: Overview, Data sources, Health data disaggregation, Summary measures of health inequality, and Reporting”, “Inequality analysis using R and STATA- Disaggregated data from surveys”, and “Inequality monitoring in sexual, reproductive, maternal, newborn, child and adolescent health” and “Inequality monitoring in Immunization” *from* Division of Data, Analytics and Delivery for Impact, WHO.
- **GCP** | Online training course on “Good Clinical Practice Training for Social and Behavioral Research” from Society of Behavioral Medicine (SBM) | **SBM Tracking ID: 50453**
- **Demographic Health Survey (DHS)** | A Day long workshop on “DHS Capacity Building Workshop I: Introduction DHS Dataset” proposed by USAID and organized by Department of Public Health, North South University.
- **Manuscript Writing** | “How to develop an analytical plan for a research project- the gateway of writing a manuscript” organized by The Global Health Network Asia and facilitated by icddr,b.
- **Scientific Writing** | “A Training on Scientific Writing” by NSU Global Health Institute (NGHI), NSU, Dhaka, Bangladesh. Duration: *5 weeks (3-4 hrs/week)*
- **Peace in the Spotlight** | A training on “Peace in the Spotlight” by SCI & VYRE in cooperation with the young department of the Council of Europe, Strasbourg, France. Duration: *10 Days (6-8 hrs/day)*
- **Code of Ethics** | Attended the “**Code of Ethics**” workshop in 2018 organized by the Department of Electrical Engineering, Chalmers University of Technology, Gothenburg, Sweden.
- **Project Management** | A training on “Project Management in the frame of the Peers to Peace” project of SCI co-funded by the Europe for Citizens Program of the European Union, Athens, Greece. Duration: *10 Days (6-8 hrs/day)*
- **Climate Change Issues** | Attended workshop on “Strengthening the capacity of SCI Volunteers & Partner organizations on Climate Change Issues” in 2015 organized by SCI Bangladesh.

## ONLINE COURSES

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- **MCH Nutrition** | “Life course nutrition: Maternal and child health strategies in public health” *by* Northwest Center for Public Health Practice *from* School of Public Health, University of Washington
- **EHD** | Certificate of “Environmental Health in Disasters” by South Central Public Health Partnership *from* School of Public Health and Tropical Medicine, Tulane University and The University of Alabama at Birmingham. Course completion: February 2024 | **15 credits course**
- **Vaccine Safety Management** | “Vaccine safety basics” and “Ultra-low temperature vaccine management” *from* World Health Organization eLearning Center and Health Emergencies Programme on WHO
- **Vaccine Demand & Supervision** | Short courses of “Improving Service Delivery and Increasing Vaccine Demand Using a Gender Lens” and “Supervision Using a Gender Lens” *from* Immunization Academy & GAVI The Vaccine Alliance
- **Monitoring & Management** | “Monitoring Coverage Data at the Health Facility Level” and “Change Management” *from* Immunization Academy
- **Epidemiology** | “Epidemiology Series” by CDC Train *from* Northwest Center for Public Health Practice, School of Public Health, University of Washington | Course Included: Epidemiology in public health, Study types, measuring risk, infectious disease concepts, cause and effect in epidemiology, Introduction to public health surveillance and outbreak investigation, Screening in public health practice and Data interpretation for public health professionals.
- **Systematic Review & Meta-analysis** | “Introduction to Systematic Review and Meta-analysis” by Johns Hopkins University, the USA *from* Coursera. Duration: *6 weeks*
- **GCP** | “Good Clinical Practice” by **NIDA** Clinical Trials Network. Expiration Date: 29 January 2027 | “Introduction to Good Clinical Practice (GCP) eLearning” by National Institute for Health and Care Research (**NIHR**) | “ICH Good Clinical Practice E6 (R2)” by Global Health Training Centre (**GHTC**).
- **Informed Consent** | “Introduction to Informed Consent” by Global Health Training Centre.
- **Ethical Practices in Research** | “Ethics and Best Practices in Sharing Individual Level Research Data” by Global Health Training Centre.

- **Informed Consent** | TRREE (Training & Resources in Research Ethics Evaluation) training program on “Informed Consent”

## SKILLS

**Operating System:** Microsoft Windows and MacOS | **Data Analysis and Data Visualization:** R, RStudio, STATA, SPSS | **Data Entry Toolbox:** Kobo Toolbox | **Reference Management:** Mendeley, Zotero, and End Note | **Other Software Skills:** MS Office (Word, Excel, and Power point), LaTeX | **Research Skills:** Conduct study, Proposal writing, Study design, Sample estimation, Budget preparing, Developing study tools, Data collection and updated the database, Monitoring & Evaluation the project or program, & Sound knowledge of research methodology | **Webpage Design:** Google Sites

## EXTRA-CURRICULAR ACTIVITIES

- **Member** | Public Health Association of Bangladesh (**PHAB**) since February 2022
- **Member** | Public Health and Science Club | North South University, Dhaka, Bangladesh since October 2021.
- **Vice President** | ANIMESH | A social organization since November 2021.
- **Reception Host- 2018** | CHARM- Chalmers Studentkårs Arbetsmarknardsdagar | Chalmers University of Technology, Gothenburg, Sweden.
- **General Secretary** | Göteborg Universella Kulturförening (GUKF) | A community base non-profit organization at Gothenburg, Sweden from 2018 to 2020.
- **Volunteer Coordinator** | Service Civil International- Bangladesh (**SCI- BD**) since 2015.

## REFEREES

**Dr. Dipak Kumar Mitra**  
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MPH (Harvard University) **Dean**,  
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