

Curriculum Vitae
MD. IMRAN HOSSAIN MITHU

Work

Infectious Diseases Division (IDD)
International Centre for Diarrhoeal Disease
Research, Bangladesh (icddr,b)
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Home

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Education

Master of Public Health
(2019-2020)

BRAC James P. Grant School of Public Health,
BRAC University,
Mohakhali, Dhaka, Bangladesh
(BRAC University Scholarship Award granted by **BRAC University**)

Result

Successfully completed with **Second-Highest academic performance**

Thesis work

Dietary pattern and nutritional status of college-going adolescents (15-19 years) in Dhaka city: Findings from a cross-sectional study

Supervisors

Prof. Zahidul Quayyum, Professor & Co-Director of Centre of Excellence for Urban Equity and Health (CUEH),
BRAC James P. Grant School of Public Health, BRAC University, Dhaka, Bangladesh
Md. Tanvir Hasan
Assistant Professor & Co-Director of Centre of Excellence for Urban Equity and Health (CUEH)
BRAC James P. Grant School of Public Health, BRAC University, Dhaka, Bangladesh

Bachelor of Dental Surgery
(2012-2016)

Dhaka Dental College and Hospital, Mirpur-14, Dhaka- 1206
(Bangladesh Government Scholarship Award granted by **GoB**)

Affiliation

University of Dhaka

Result

Successfully passed with good academic record

Survey Work

“Prevalence of Dental caries among school going children of a typical rural village in Bangladesh”, Department of Dental Public Health, Dhaka Dental College Hospital, Dhaka)

Professional Experience

Research Fellow

(December 2021 to December 2022)

International Centre for
Diarrhoeal Disease Research,
Bangladesh (icddr,b)
Department: Infectious Diseases
Division (IDD)

Job description

Worked on a project named Strategies to Prevent ([STOP](#)) Spillover, a USAID-funded project led by Tufts University is a global consortium of experts in human, animal, and environmental health who will take the next step in understanding and addressing the risks posed by known zoonotic viruses that have the potential to spill over and cause pandemic crises.

Duties/Responsibilities:

- Qualitative and quantitative tool preparation
- Qualitative data and quantitative data collection
- Qualitative and quantitative data analysis and report writing
- Secondary data analysis
- Grant proposal writing
- Manuscript writing
- Training of research assistants and data collectors
- Surveillance
- Risk analysis

Research Associate

(January 2020 to November 2021)

BRAC-James P. Grant School of
Public Health, BRAC University,
Dhaka, Bangladesh
Department: The Center of Excellence for
Gender, Sexual and Reproductive Health and
Rights (CGSRHR)

Job description

Worked on a multi-country project named
ARISE ([Accountability and responsiveness in](#)

[informal settlements for equity](#)). Conducted research in urban informal settlements for exploring the lived experiences of marginalized, vulnerable people utilizing remote methodologies

Duties/Responsibilities:

- Qualitative and quantitative tool preparation
- Qualitative data and quantitative data collection
- Qualitative and quantitative data analysis and report writing
- Lead quantitative survey
- Secondary data analysis
- Grant proposal writing
- Manuscript writing
- Train Research Assistants and Data collectors
- Blog Write up
- Spatial data analysis

Teaching fellowship

(February 2020 to November 2021)

Institution: BRAC-James P. Grant School of Public Health, BRAC University, Dhaka, Bangladesh

Degree: Master of Public Health (MPH)

Courses

- Anthropological Approaches to Public Health
- Health System Management
- Gender, Sexual and Reproductive Health & Rights
- Gender program management learning
- Environmental Health Science and Climate Change

Mentorship

(November 2020 to January 2021)

Institution: BRAC-James P. Grant School of Public Health, BRAC University, Dhaka, Bangladesh

Degree: Master of Public Health (MPH)

Course: Summative learning project (SLP)
which is the final thesis for the master's
students

Trainer

(September 2020)

Title of the event: Participatory action
research during and after C19

In this event, we presented examples from
existing projects using participatory and
action research approaches and how these
have been adapted during COVID-19. In
addition, early career, junior, and other
researchers were invited to bring problems
they may be encountering in the COVID-19
context and ask panel members and attendees
for advice and guidance about possible
solutions and adaptations to research plans

Research assistance and transcriber

(November 2018 to January 2019)

Institution: BRAC-James P. Grant School of
Public Health, BRAC University, Dhaka,
Bangladesh

Worked as a research assistant and transcriber
in summative learning project (SLP) for the
master's students

Medical officer & Academic researcher

(July 2018 to December 2018)

Dhaka Dental College and Hospital, Mirpur-
14, Dhaka
Department: Oral and maxillofacial surgery

Health and Medical officer

(February 2018 to June 2018)

Famous Dental Clinic, Dhaka

Intern doctor

(February 2017 to January 2018)

Dhaka Dental College and Hospital, Mirpur-
14, Dhaka

Volunteer Experience

April 2020 to ongoing

Advisory broad member, Pratimanha (Urban
slum-based youth organization)

March 2020 to Ongoing

Technical advisor, Youth Associate Dholpur
(Urban slum-based youth organization)

2014

Medical advisor, Free dental treatment camp
in rural Bangladesh

Current Public Health Interests

Environmental Health; Environmental Epidemiology; Exposure Science; One Health; Data Science; Risk analysis; Surveillance; Environmental Toxicology

Peer-Reviewed Publications

Published and In Press

- Dash, S., Parray, A. A., De Freitas, L., **Mithu, M. I. H.**, Rahman, M. M., Ramasamy, A., & Pandya, A. K. (2021). Combating the COVID-19 infodemic: a three-level approach for low and middle-income countries. *BMJ Global Health*, 6(1), e004671. <https://doi.org/10.1136/bmjgh-2020-004671>
- de Siqueira-Filha, N.T., Li, J., Kibuchi, E., Quayyum, Z., Phillips-Howard, P., Awal, A., **Mithu, M.I.H.**, Manzoor, F., Karuga, R., Saidu, S. and Smith, J., 2021. Economics of healthcare access in low-income and middle-income countries: a protocol for a scoping review of the economic impacts of seeking healthcare on slum-dwellers compared with other city residents. *BMJ open*, 11(7), p.e045441. <http://dx.doi.org/10.1136/bmjopen-2020-045441>
- Kibuchi, E., Barua, P., Chumo, I., de Siqueira Filha, N. T., Phillips-Howard, P., **Mithu, M. I. H.**, ... & Gray, L. (2022). Effects of social determinants on children's health in informal settlements in Bangladesh and Kenya through an intersectionality lens: a study protocol. *BMJ open*, 12(6), e056494. <http://dx.doi.org/10.1136/bmjopen-2021-056494>
- Manzoor, F., Alam, W., **Hossain, I.**, Farnaz, N., Aktar, B., & Rashid, S. F. (2022). Social capital and accessing services and support during COVID-19 in informal settlements of Dhaka, Bangladesh: a cross-sectional study. *The Lancet Global Health*, 10, S9. [https://doi.org/10.1016/S2214-109X\(22\)00138-3](https://doi.org/10.1016/S2214-109X(22)00138-3)
- de Siqueira Filha, N. T., Li, J., Phillips-Howard, P. A., Quayyum, Z., Kibuchi, E., Mithu, M. I. H., ... & Elsey, H. (2022). The economics of healthcare access: a scoping review on the economic impact of healthcare access for vulnerable urban populations in low-and middle-income countries. *International journal for equity in health*, 21(1), 191. <https://doi.org/10.1186/s12939-022-01804-3>
- Barua, P., Kibuchi, E., Aktar, B., Chowdhury, S. F., Mithu, I. H., Quayyum, Z., ... & Gray, L. (2023). The effects of social determinants on children's health outcomes in

Bangladesh slums through an intersectionality lens: An application of multilevel analysis of individual heterogeneity and discriminatory accuracy (MAIHDA). PLOS Global Public Health, 3(3), e0001588.<https://doi.org/10.1371/journal.pgph.0001588>

Manuscripts in Progress

- **Mithu, M.I.H.**, Hossain R., Shaon F., Rahman S., Sarkar, M., Environmental, agricultural and health impacts of brick kilns in the South Asian countries: A scoping review. (Accepted to International Journal of Environmental Science and Technology)
- Haque, T., Imtiaz SH., **Mithu, M.I.H.**, Khan, SH., Alam MM., Alam Z., Rokonuzzaman SM., Pulock OS., Pinky SD., Arbi AK., Murshid HB., Homaira, N., Hassan, MZ., Role of newspapers in creating public awareness regarding antimicrobial stewardship and resistance in Bangladesh, 2010-2021. (Accepted to International Journal of Infectious Diseases)

Conference abstract and poster

- **Mithu, M.I.H.**, Nathaniel, A.L., Banguara O.A., Sarkar, N., Sultana, R: Dietary pattern and nutritional status of college going adolescents (15-19 years) in Dhaka city: findings from a cross-sectional study, 16th World Congress on Public Health, November 2020 Rome, Italy
- **Mithu, M.I.H.**, Nathaniel, A.L., Banguara O.A., Sarkar, N., Sultana, R: Lifestyle factors, neighborhood environment, and nutritional status of college-going adolescents (15-19 years) in Dhaka city, Summative Learning Project (SLP), January 2020, BRAC James P Grant School of Public health, BRAC University.
- Rahman, M. M., Sultana, R., **Mithu, M.I.H.**, Gold E., Kihoro, E., Uzzaman, S.M., Osmani, T.M.G., Bhuiyan A.R.H., Bhuiyan M.R.K., Rimi, N.A. Identifying non-traditional live bird market actors and exploring their barriers as part of avian influenza risk reduction initiatives in Bangladesh, World One Health Congress 2022, November 2022, Singapore

Blog

- Youth Associate: A light of hope for Dholpur slum residents during the COVID-19 pandemic, Link: <http://www.ariseconsortium.org/youth-associate-dholpur-slum-residents-covid-19-pandemic/>
- Quarantine life experience of light and hope during Covid-19, Link: <https://medium.com/@jpgsph.comms/>
- Remote GIS mapping in Dholpur: Co-production with co-researchers, Link: <http://www.ariseconsortium.org/remote-gis-mapping-in-dholpur-co-production-with-co-researchers/>
- 'Normal' or 'New Normal' Life in urban slums amid the COVID-19 pandemic, Link: <https://www.ariseconsortium.org/normal-or-new-normal-life-in-urban-slums-amid-the->

[covid-19-pandemic/](#)

Other Publications

- Support equitable partnerships in global health: A toolkit for participatory health research methods.

Link: <https://countdown.lstmed.ac.uk/sites/default/files/centre/Participatory%20Health%20Research%20Methods%20toolkit.pdf>

- Covid-19 rapid report: Impact of COVID-19 Lived Experiences of the Urban Poor in Slums during the Shutdown in Bangladesh

Link: <https://www.ariseconsortium.org/learn-more-archive/impact-of-covid-19-urban-poor-in-slums-shutdown-in-bangladesh/>

MOOCs

- Chemicals and Health- Johns Hopkins University
- Data Science Specialization- Johns Hopkins University
- Air Pollution – a Global Threat to our Health- University of Copenhagen
- Data and Health Indicators in Public Health Practice- Johns Hopkins University
- Epidemiology: The Basic Science of Public Health- University of North Carolina at Chapel Hill
- Health for All Through Primary Health Care- Johns Hopkins University
- Public Health in Humanitarian Crises 1- Johns Hopkins University
- The People, Power, and Pride of Public Health- Johns Hopkins University

Skills

- Computer Skills: R, STATA; NVivo; QGIS; Microsoft Office
- Research: Scoping review, Systematic Review, GIS, Spatial Data Analysis, Grant submission; IRB application; Survey development; Study management, Secondary Data Analysis, Manuscript writing, Big data analysis, Machine learning
- Teaching: Curriculum development, mentoring master's students

Professional/ Social network

- ResearchGate Profile: <https://www.researchgate.net/profile/Md-Imran-Mithu>
- Orcid Profile: <https://orcid.org/0000-0001-8057-3092>
- Google Scholar: Md. Imran Hossain Mithu