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Education

- **Master of Public Health (MPH)** 2013 – 15
National Institute of Preventive and Social Medicine (NIPSOM), Bangabandhu Sheikh Mujib Medical University, Dhaka, Bangladesh
- **Bachelor of Medicine and Bachelor of Surgery (MBBS)** 2004 – 10
Kumudini Women's Medical College, University of Dhaka, Bangladesh

Fellowships

- Clinical Fellowship, Internal Medicine and Pediatrics, icddr,b. 2012– 13, 2014– 15
- Clinical Fellowship, HIV patient management, icddr,b. 2015

Publications

Journal Articles

Published Articles

- **Das R**, Kabir, M.F.; Ashorn, P.; Simon, J. et al. Maternal Underweight and Its Association with Composite Index of Anthropometric Failure among Children under Two Years of Age with Diarrhea in Bangladesh. *Nutrients* 2022, 14, 1935.
- **Das R**, Palit, P., Haque, M.A. et al. Site-specific incidence rate of genomic subtypes of enteropathogenic *Escherichia coli* and association with enteric inflammation and child growth. *Sci Rep* 12, 5724 (2022).
- **Das R**, Faruque ASG, Ahmed T, et al. Site specific incidence rate of virulence related genes of enteroaggregative *Escherichia coli* and association with enteric inflammation and growth in children. *Scientific Reports*. 2021 Nov 30;11(1):23178.
- **Das R**, Faruque ASG, Ahmed T, et al. Associated factors, post infection child growth, and household cost of invasive enteritis among under 5 children in Bangladesh. *Scientific Reports*. 2021 Jun 17;11(1):1-1.
- **Das R**, Haque MA, Chisti MJ, et al. Association between Non-Typhoidal Salmonella Infection and Growth in Children under 5 Years of Age: Analyzing Data from the Global Enteric Multicenter Study. *Nutrients*. 2021 Jan 28;13(2):392.
- **Das R**, Jobayer Chisti M, Ahshanul Haque, et al. Evaluating association of vaccine response to low serum zinc and vitamin D levels in children of a birth cohort study in Dhaka. *Vaccine*. 2021 Jan 3;39(1):59-67.

- **Das R**, Ahmed T, Faruque ASG, et al. Non-typhoidal Salmonella among Children under 5 Years Old in Sub-Saharan Africa and South Asia in the Global Enteric Multicenter Study, *The American Journal of Tropical Medicine and Hygiene*, 2021.
- **Das R**, Ahmed T, Faruque ASG, et al. Evaluation of SIMESON, a training program to improve access to quality health care for pregnant women and newborn in different healthcare facilities of northern Bangladesh. *Nursing Open*, 2021, 00, 1– 15.
- **Das R**, Ahmed T, Saha H, et al. Clinical risk factors, bacterial aetiology, and outcome of urinary tract infection in children hospitalized with diarrhoea in Bangladesh. *Epidemiol Infect.* 2017 Apr;145(5):1018-1024.
- **Das R**, Sarker A, Saha H, et al. Experience with Clinically Diagnosed Down Syndrome Children Admitted with Diarrhea in an Urban Hospital in Bangladesh. *Int Sch Res Notices.* 2015 May 7; 2015:979404.
- Sarker A, **Das R**, Ether S, Shariful Islam M, Saif-Ur-Rahman KM. Non-pharmacological interventions for the prevention of type 2 diabetes in low-income and middle-income countries: a systematic review of randomised controlled trials. *BMJ Open.* 2022 Jun 6;12(6).
- Sarker A, **Das R**, Ether S, et al. Non-pharmacological interventions for the prevention of type 2 diabetes mellitus in low and middle-income countries: protocol for a systematic review and meta-analysis of randomized controlled trials. *Syst Rev.* 2020 Dec 9;9(1):288.
- Palit P, **Das R**, Haque MA, Hasan MM, Noor Z, Mahfuz M, Faruque ASG, Ahmed T. Risk Factors for Norovirus Infections and Their Association with Childhood Growth: Findings from a Multi-Country Birth Cohort Study. *Viruses.* 2022 Mar 21;14(3):647.
- Palit P, **Das R**, Haque MA, et al. Risk Factors for Enterotoxigenic *Bacteroides fragilis* Infection and Association with Environmental Enteric Dysfunction and Linear Growth in Children: Results from the MAL-ED Study. *The American Journal of Tropical Medicine and Hygiene.* 2022;106(3):915-922.
- Nasrin, S.; Haque, M.A.; Palit, P.; **Das, R.**; Mahfuz, M.; Faruque, A.S.G.; Ahmed, T. Incidence of Asymptomatic Shigella Infection and Association with the Composite Index of Anthropometric Failure among Children Aged 1–24 Months in Low-Resource Settings. *Life* 2022, 12, 607.

Working manuscripts

- **R. Das***, P. Palit, M. Haque, et al. Association between different virulent genomic variants of *Escherichia coli* and growth in children under 5 years of age in Global Enteric Multicenter Study [**Accepted in AJTMH**]
- **R. Das***, PK. Bardhan, Ahmed T, et al. A double-blind clinical trial to compare the efficacy and safety of a multiple amino-acid based ORS with the standard WHO-ORS in the management of non-cholera acute watery diarrhea in infants and young children: “VS002A” trial protocol [**Submitted**]
- M.I. Hossain, S. Nasrin, **R. Das***, et al. Symptomatic and asymptomatic *Campylobacter* infections and child growth in South Asia: analyzing data from Global Enteric Multicenter Study [**Submitted**]
- **R. Das***, P. Palit, M. Haque, et al. Symptomatic and asymptomatic enteric protozoan parasitic infection and their association with growth in young under 5 children in South Asia and sub-Saharan Africa.
- **R. Das***, S. Nasrin, M. Haque, et al. *Vibrio Cholera* in rural and urban Bangladesh: Findings from Hospital-based Surveillance, 2000–2021.
- **R. Das***, M. Haque, P.K. Bardhan et al. Citrulline and Kynurenine to Tryptophan ratio: potential gut health biomarkers in acute watery diarrhea among children in Bangladesh.

Abstracts and Posters

- **Das R**, et al. Site-specific incidence rate of different genomic strains of Enteroaggregative *E. coli* and association with enteric inflammation and growth in children of a multi-country birth cohort study. ASTMH Annual Meeting, November, 2021
- **Das R**, M. Haque, M. Chisti, et al, Invasive enteritis due to Campylobacter and Shigella infections: Associated factors, post-infection child growth, and household cost among under 5 children in Bangladesh. World Microbe Forum, June 20, 2021.
- **Das R**, Ahmed T, Mahfuz M, et al. Evaluating Association of Vaccine Response to low Serum Zinc and Vitamin D Levels in Children of a Birth Cohort Study: in Dhaka. Micronutrient Forum 5 Global Conference, 2020.
- **Das R**, Saha H, Bin Shahid AS, et al. Factors associated with clinically diagnosed Down syndrome in diarrheal children in an urban hospital in Bangladesh. 13th CAPGAN meeting, 2013.
- **Das R**, Roy SK, et al. Activities of Bangladesh Breastfeeding Foundation (BBF): protection, promotion, and support of breastfeeding in Bangladesh. South Asian regional conference on breastfeeding and complementary feeding, 2012.

Research Experience

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| <ul style="list-style-type: none"> • Clinical trial to compare the efficacy and safety of a multiple amino-acid based ORS “VS002A” with the standard WHO-ORS in the management of noncholera acute watery diarrhea in infants and young children <ul style="list-style-type: none"> ➤ Responsible for protocol writing, clinical functions, data collection, and participation in data analysis. Also involved in organizing the study-related staff training, acquiring approval for icddr,b finance department regarding budget, recruitment of necessary new staff as per plan and overall supervision of the staff, report writing and manuscript writing | Co-investigator | 2020–ongoing |
| <ul style="list-style-type: none"> • Evaluation of improving access to quality health and nutrition care for pregnant women and their newborn babies including those who are preterm and low birth weight in different health facilities of Kurigram district of Bangladesh <ul style="list-style-type: none"> ➤ The lead investigator of this project and involved in protocol development, arranging external review(s) of the protocol, acquiring approval from IRB, acquiring approval for icddr,b finance department regarding budget, recruitment of necessary new staff as per plan, training of all necessary staff related with this project to adapt them with the protocol, assigning role of different staff in the project, overall supervision and time to time reporting to the stakeholders, data collection and project accomplishment, report writing, result dissemination, and manuscript writing | Principal Investigator | 2020 |
| <ul style="list-style-type: none"> • Identifying the factors associated with Non- typhoidal Salmonella (NTS) infection among children under-5 years old in Sub-Saharan Africa and South Asia <ul style="list-style-type: none"> ➤ The lead investigator of this project and involved in protocol development, arranging external review(s) of the protocol, acquiring approval from IRB, acquiring approval for icddr,b finance department regarding budget, data analysis, report writing, result dissemination, and manuscript writing | Principal Investigator | 2020– 21 |

- Investigation into the site-specific incidence rate of different genomic strains of Enteroaggregative Escherichia coli and Enteropathogenic Escherichia coli and their effects on different biomarkers of environmental enteric dysfunction and growth in children aged 1-24 months in low-resource settings
 - The lead investigator of this project and involved in protocol development, arranging external review(s) of the protocol, acquiring approval from IRB, acquiring approval for icddr,b finance department regarding budget, data analysis, report writing, result dissemination, and manuscript writing
- Antibiotics in Children with Severe Diarrhoea (ABCD) multi-country clinical trial
 - Responsible for clinical functions, data collection, and participation in data analysis. Also involved in organizing the study-related staff training, overall supervision of the staff, data analysis, report writing, and manuscript writing

Work Experience

- Assistant Scientist, icddr,b 2022- ongoing
- Research Investigator, icddr,b 2020- 2021
- Study Physician, icddr,b 2019 - 20
- Project Research Physician, icddr,b 2017 - 19

Skills

- Multi-country MAL-ED and GEMS data analysis and Manuscript writing
- Protocol development, protocol writing, and grant application
- Project designing and implementation
- Conducting clinical trials
- Proficiency in *SPSS, STATA, Epi Info, MS Excel*
- Conducting qualitative research at the community level

Teaching and Mentoring

- Guest Resource Person, Public Health Nutrition, BRAC JPGSPH, BRAC University
- Training of data collectors on SIMESON training program in Kurigram (Designed and led the training course), 2020
- Currently mentoring two project research physicians at icddr,b

Additional Training(s)

- Systematic review and health research, 2021
- Design and interpretation on a clinical trial, 2021
- Qualitative research methodology, 2020
- Advanced statistical analysis with STATA, 2019
- Research-based management (RBM), 2018

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- Good clinical practice (GCP), 2018
 - Leadership and Management Excellence; Conflict resolution, 2017
 - Advanced course on epidemiological research methods, 2014

Honors & awards

- Bill & Melinda Gates Foundation Abstract Award from LMICs in World Microbe Forum, June 2021
- Young Scientist Award, icddr,b, 2019-20
- Honors in Physiology, 2006
- Gold Medal in First Professional MBBS Examination, 2006

Licensing & Society Memberships

- Bangladesh Medical and Dental Council (BMDC)
- Bangladesh Medical Association (General Member)

Leadership/ activities

- Protocol Officer, 32nd Meeting of Ministers of Health of Countries of the WHO South-East Asia Region, 2014
- Class Monitor, Department of Maternal and Child Health, NIPSOM, 2013-2015
- Member, Cultural Committee, KWMC, 2005-2010
- President, Student affairs; and Member, Bi-yearly School Magazine, Holy Cross College, 2003-2004