

MALABIKA SARKER, MBBS, MPH, PhD
Professor & Associate Dean
Director CoE on the Science of Implementation & Scale-Up (SISU)
BRAC James P. Grant SPH, BRAC University, Bangladesh
Research Adviser, BRAC University

**Mixed Method Researcher specialized in Implementation Research and Evaluation
Trained in Teaching & Curriculum Development**

- Awarded “Heroine of Health 2018” : Women in Global Health, Geneva, Switzerland
- Chair (2021-23): HRP, Alliance Board, World Health Organization
- International Advisory Board Member (2019-22): The Lancet Global Health
- International Advisory Board Member (2019-21): HRP, World Health Organization
- Member of International Immunization Policy Task Force: (2020-21) World Federation of Public Health Association
- Board Member (2020-22): Applied Global Health Research Board, MRC, UKRI, UK
- Committee Member (2021-22): NIHR Global Health Research Units and Groups Funding Committees
- Committee Member (2020-23): NIHR Global Health Research Professorship
- Lancet Commissioner (2019-21):
 - Addressing the fragmentation of global health: the *Lancet* Commission on synergies between universal health coverage, health security, & health promotion
- Harvard Global WE (Women Empowerment) : Member & Bangladesh Representative (2021-4)
- Associate Editor: Behavioral Medicine (Taylor & Francis On Line) 2019-2022
- Editorial Board Members of Journal for Service Quality Enhancement (JSQE)
- International Advisory Board Member (2016-21): Metrics for Measurement, USA
- Best Teaching Award: BRAC James P Grant School of Public Health, 2018, 2019
- Class Secretary: Harvard T Chen School of Public Health 1996 (Elected)

Contact Detail:

BRAC, James P Grant School of Public Health
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Education

2001-2004: **PhD**
Degree awarded with Magna cum Laude.
Institute of Public Health, University of Heidelberg, Germany.
Dissertation: HIV related knowledge, Risk perception & demand forecasting for VCT/PMTCT in women living in Rural Burkina Faso

1995-1996: **Master of Public Health (MPH)**
Harvard School of Public Health, Harvard University, USA

1994 : **Gender and International Health-Certificate**
Karolinska Institute, Stockholm, Sweden

1982-1989: **Bachelor of Medicine, Bachelor of Surgery (MBBS).**

Chittagong Medical College, Chittagong University, Bangladesh

Special Education

2007- 2010 **Diploma in Teaching**
HDZ Arbeitsstelle, University of Heidelberg, Germany

Academic positions held

June 2018- till **Associate Dean**
Professor & Director Research &
Director Center for Implementation Science and Scale-Up
Advisor, Ex-Founding Chair, Ethical Review Committee
James P. Grant SPH, BRAC University, Bangladesh
Research Adviser
BRAC University, Bangladesh
Chair, Ethical Review Committee
BRAC University, Bangladesh

Dec 2016- till **Professor**
Director Center for Implementation Science and Scale-Up
James P. Grant SPH, BRAC University, Bangladesh

Oct 2012 – 2020 **Professor & Director Research**
Chair, Institutional Review Board
James P. Grant SPH, BRAC University, Bangladesh

Jan - Dec 2015 **Professor, Acting Dean & Director Research**
James P. Grant SPH, BRAC University, Bangladesh

2011- Sept'12 **Professor**
James P. Grant SPH, BRAC University, Bangladesh

2011- till Adjunct Research Faculty
Institute of Public Health, University of Heidelberg, Germany

2005- 2011 Senior Research Faculty
Institute of Public Health, University of Heidelberg, Germany

2001-2005 Senior Research Associate
Institute of Public Health, University of Heidelberg, Germany

Participation in Capacity Building Projects

2015-2019 **Principal Investigator**
TDR International Post Graduate Training Scheme on Implementation Research (WHO Funded) US \$ 2.2 Million

2016-2019 **Principal Investigator**
Capacity Building on Implementation Research (UNICEF Funded) US \$ 100,000

2017-2020 **Principal Investigator**
Capacity building of officials in Implementation Monitoring and Evaluation Division (IMED, Ministry of Planning, Government of Bangladesh (UNICEF Funded) US \$ 60,000

2013-2014 **Principal Investigator**

Capacity building of health managers in Health Management Information System (GIZ Funded) US \$ 30,000

Participation in Implementation/ Evaluation/Intervention/Epidemiology Research Projects

Current Research Project

- 2021-22** **PI**
Clinical Impact of a Community based Low-Sodium Salt Intervention to Reduce Blood Pressure at the Population Level in Rural Bangladesh: A Randomized Control Trial (Stanfor University) US \$ 50,000
- 2021-22** **Adviser**
Bangladesh Case Study on IPOG Factors in Government Resposne to Covid-19 (World Bank) US \$ 17000
- 2021-22** **PI**
Youth with disabilities' lived experiences, aspirations and current engagements in livelihoods in Bangladesh and Kenya, and their influence on policy makers (British Academy) UK £ 60000
- 2021-23** **PI (Implementation Research , Bangladesh)**
A Suite of Studies Exploring the Impact of Vision Care on Achieving the Sustainable Development Goals in LMICs (Welcome Trust UK) £ 108,000
- 2020-23** **PI- Bangladesh**
Age at Marriage, Women & Human Capital, and Maternal Health; Child health in Bangladesh (NIH USA Funded) US \$666,884.00
- 2020-22** **PI**
Climate Change, Migrations and Health Systems Resilience in Haiti and Bangladesh (ClimHB) (Agence Nationale de Recherche- France) Euro 173,000
- 2018-22** **PI**
Implementation Science for Global Health: Lessons Learned from the Global Polio Eradication Initiative (Gates Foundation-Funded) US\$ 200,000
- 2018-21** **PI**
A multi-country study on NCDs: a global NIHR Global Health Research Unit in Cardiovascular disease and Diabetes. UK £ 1.0 Million
- 2019-21** **PI**
Cool roof or wall too? Experimental evaluation of a low-cost multi prong approach for reduction of indoor temperature in low economic house hold in Dhaka, Bangladesh . Use of Innovative Indigenous Materials for Thermal Comfort (Million Cool Roof, NY,USA), US\$100,00
- 2018-21** **PI**

The ethics of health policy experiments: a global framework for design and oversight.
Euro 210,000

2020-21 **PI**
Developing and testing a risk stratification approach screening using Artificial Intelligence for diabetic retinopathy in people with diabetes in Bangladesh (Fred Hollow Foundation) AUD 65,000

Completed Research Project

2021 **PI**
Evaluation and Implementation research on Community based Comprehensive preventive , primitive intervention against COVID 19 in peri urban subdistricts in Bangladesh (BRAC) US\$320000

2021 **PI**
Evaluation and Implementation research on Community based Comprehensive preventive , primitive intervention against COVID 19 and effect on MCH services in six rural subdistricts in Bangladesh (BRAC) UK £ 190,000

2021 **PI**
Implementation Research of e-tracker Pilot Project in Moulvibazar District and one-5 of Dhaka South City Corporation (UNICF) US \$ 50,000

2020 **PI**
Validation of Finger Image and Facial Recognition of under 5 children and implementation experience: A Mixed-Method Study (SIMPRINT) US \$ 70000

2020 **PI**
Implementation Research on Child Tuberculosis detection coverage (GFATM) US \$ 150,000

2020 **PI**
Challenges & opportunities of introducing referral transportation system project and its effect on utilization of comprehensive SRHR health services during Covid-19 pandemic in Rohingya Refugee Response: A Implementation Research on Fidelity and Coverage (UNFPA) US \$ 18000

2020 **Co-PI**
A nation wide telephone survey on CONVID 19 in Bangladesh (BRAC/JPGSPH Funded) USD 15,000

2018-19 **PI**
Implementation research on the sustainability of a public health palliative care project in Bangladesh through community theatre. UK £ MRC 40,000

2019-20 **Advisor**
How to scale up: Identifying implementation bottlenecks and solution for scaling up of verbal autopsy in Pilot Project (Bloomberg Foundation Bangladesh, GoB) US \$ 15000

- 2019-20** **PI**
How to scale up: Identifying bottlenecks and solution for scaling up of Birth and Death registration in Pilot Project (UNICEF Bangladesh, GoB) US \$ 50,000
- 2019** **PI**
Implementation Research Focusing on Health System Strengthening in UNICEF supporting intervention for Rohingya Refugee in Cox Bazar, Bangladesh (UNICEF HQ-NY-Funded) US\$ 50,000
- 2019** **PI**
Implementation Research identifying the challenges and facilitators of Kangaroo Mother Care (KMC) services in Government Health facilities, Bangladesh (UNICEF-Funded) US\$ 50,000
- 2013-7** **Co-PI**
Implementation Research on Reaching out and linking in women health: health systems and close-to-community services (CTC): A multi-country study (EU Funded) Euro 858,923
- 2016-9** **PI**
Evidence generation on Implementation Science for Policy Makers, Researchers and Managers (UNICEF Funded) US\$ 161,000
- 2016- 19** **PI**
Impact evaluation of Maternal Nutrition Project in Northern Bangladesh (World Vision) CAD 180,000
- 2017-20** **Principal Investigator**
Evaluation of an Entertainment and Education campaign (E&E) using transmedia for adolescent development (UNICEF) US\$ 166,000
- 2019** **Advisor**
Impact of BRAC activities on Coverage of deworming among school children in a northern district Bangladesh (BRAC Funded) US \$ 45000
- 2016-18** **Principal Investigator**
Proof of a noble concept: Sexual behavior change of young men living in urban slum, Dhaka, Bangladesh: An Intervention using Psycho Drama (WOTRO, Netherland Funded) US\$ 365,000
- 2017-18** **Co- Principal Investigator**
Outcome Evaluation of a reduction of diarrheal episode among under 5 children after cementing the floor in rural Bangladesh- Explanatory mixed method approach. Archive Global, NY, USA US \$ 40,000
- 2017** **Advisor**
Outcome Evaluation of “m Care” project focusing digitalization of FWA registrar in rural Bangladesh. A Mixed Method Approach. Spider Center, Sweden, US \$ 20,000.
- 2017** **Advisor**
Testing of Usefulness of MnCH quality criteria developed by the World Health Organization. M4M, USA (US \$ 10,000).
- 2015-16** **Principal Investigator**
Assessment of Water, sanitation, and hygiene practice improvement program, Bangladesh (UNICEF Funded) US \$ 75,000
- 2015-16** **Principal Investigator**
Understanding the Effect of a Health Security Program in Advocating Universal Health Coverage and Improving Productivity of Semi-formal Female Workers in Bangladesh (Rockefeller Funded & International Growth Center) US \$ 70,000

- 2014 -16** **Principal Investigator**
Monitoring and Evaluation of UNICEF Communication for Development program for MCH (UNICEF Funded) US\$ 150,000
- 2015-16** **Principal Investigator**
Assessing long-term health effects of working conditions on female Ready Made Garment (RMG) workers in Dhaka, Bangladesh (ILO Funded) US \$ 14,000
- 2015-16** **Principal Investigator**
Measuring TB mortality trend and factors associated with TB mortality (GFATM Funded) US\$ 201, 946
- 2014-15** **Advisor**
Implementing WHO Safe Childbirth Checklist in selected district hospitals in Bangladesh to improve the quality of intrapartum care (WHO & Harvard School of Public Health Funded) US \$ 40,000
- 2013-15** **Principal Investigator**
Implementation Research on BRAC implemented Tuberculosis prevention & Treatment program (GFATM Funded) US \$ 100,000
- 2014- 15** **Principal Investigator (Bangladesh)**
International Research Consortium on Dengue Risk Assessment, Management, and Surveillance (IDAMS), a multi-country study (EC Funded) Euro 50,000
- 2012-14** **Team member**
An Impact and Process evaluation of using Performance Based Financing to Improve the Quality of Essential Obstetric and Newborn Care in Malawi (Funded by URC/TRAction by USAID) US \$ 1 Million.
- 2012-13** **Project Leader**
BRAC Health Innovation Program (BHIP), designing & testing a health insurance scheme that offers an equitable, accessible, and quality comprehensive health services (Funded by Rockefellers Foundation). The US \$ 1.5 Million
- 2011-13** **Co-Investigator**
Monitoring of vital events through information technology (MOVE- IT), a feasibility study on registering pregnant mothers and their children in Bangladesh in a unified electronic information system that tracks vital events (births, deaths, cause of death), non-fatal health events, and coverage of priority services (Funded by the Health Matrix Network, WHO). US\$ 230,000
- 2011–12** **Principal Investigator**
Review of MCH program in Bangladesh to recommend a single optimum MNCH model using realist evaluation (Funded by the UNICEF). US \$ 222,000
- 2011** **Lead Researcher**
Evaluation of Health program implemented by BRAC Health International and Government of Afghanistan (Funded by Novib-Oxfam). US \$ 15,000
- 2015** **Principal Investigator**
Health care seeking behavior of MDR TB patients (GFATM) US\$ 10,000
- 2015** **Principal Investigator**
Developing health communication commodities for improving neonatal health in Bangladesh (WHO Funded) US \$ 20,000
- 2014** **Principal Investigator**
Health care seeking behavior and willingness to pay for eye care in Urban Slum, Dhaka (Sight Saver Funded). US \$ 55,000

- 2014** **Principal Investigator**
Community-based Eye illness Prevalence Survey in Urban Slum Dhaka (BRAC Funded).
US \$ 15,000
- 2012** **Co-investigator**
Exploring roles of informal private provider (IPP) in the treatment of TB in an urban slum area in Dhaka, Bangladesh (Funded by the GFTAM). US \$ 20,000
- 2011** **Program Manager**
National Food Security and Nutritional Surveillance in Bangladesh (FSNSP)(Funded by European Union). Euro 5.2 Million
- 2005-11** **Lead researcher**
Barriers to implementation for Voluntary Counseling and Testing of HIV (VCT) and Mother-to-Child Transmission Prevention (PMTCT) intervention in Nouna, Burkina Faso (Funded by DFG- German Research Society).
- 2006-10** **Principal Investigator**
Quality of ART, PMTCT, &MCH care (Work Package on ‘Affects of antiretroviral for HIV on African health systems, maternal and child health in Uganda, Tanzania and Burkina Faso’).(Funded by European Union) Euro 260,000
- 2001- 04** **Senior Research Associate**
Knowledge, perception, and willingness of women, men, and health providers to participate in Prevention of Mother to Child Transmission of HIV in rural Burkina Faso(Funded by DFG- German Research Society Euro 200,000).
- 1998-99** **Field Researcher**
Prevalence and determinants of STI/HIV among Truck drivers and slum women, Dhaka, Bangladesh (Funded by World AIDS Foundation US \$ 50,000).

Fellowship/Award

- 2012** Ten years contribution to the Institute
Institute of Public Health, University of Heidelberg, Germany
- 2011** Five years contribution to the Institute
James P Grant SPH, BRAC University, Dhaka, Bangladesh
- 1999-2000** Population Council Fellow
University of Alabama at Birmingham, USA and CV
- 1996- 1998** Fogarty Fellow
University of Alabama at Birmingham, USA

Teaching Experience at BRAC JPG SPH, BRAC University

- 2016-till** **Cordinator & Lecturer** ‘Implementation Research’(MPH curriculum)
- 2016-till** **Cordinator & Lecturer** ‘Quantitative Research Method’(MPH curriculum)
- 2015-till** **Coordinator & Lecturer** ‘ Monitoring and Evaluation’((MPH curriculum)
- 2012-till** **Lecturer** ‘ Mixed Method’((MPH curriculum)
- 2015-till** **Co- convenor & Lecturer** ‘Manuscript Writing’(Independent Course)
- 2012-15** **Co- convenor & Lecturer** ‘Quantitative Research Method’(MPH curriculum)
- 2012-15** **Co- convenor & Lecturer** ‘Quantitative Research Method’(MPH curriculum)
- 2006- till** **Lecturer** ‘Reproductive Health’ (MPH curriculum)
- 2016-till** **Corodinator & Lecturer-** Flagship Course: World Bank & WHO funded

Teaching Government Officials in Bangladesh

- 2016- till Monitoring & Evaluation*
- 2016-2018 Universal Health Coverage*

International Teaching and Teaching Experience:

- 2010- till** **Co-convenor and lecturer-** Trop Ed accredited: Mixed Method research in International Health. Heidelberg Institute of Global health, University of Heidelberg
- 2012- till** **Co-convenor and lecturer** Trop Ed accredited: Reproductive Health & HIV/AIDS: New Evidence and Strategy. Heidleberg Institue of Global Health, University of Heidelberg
- 2012** **Co-convenor and lecturer-**Mixed Method research in International Health. Center of Global Health, University of Montreal
- 2011-2013:** **Lecturer in** Public-Private Partnership for Primary Health Care a short course offered by the Asian network of Health System Strengthening (ANHSS) (A WB Initiative Capacity Building project, Thailand, Honking, Philippine)
- 2008 – 2011** **Awarded EU Grant (EDU Link- Africa)** to Coordinate Reproductive Health Course
- Muhimbili University, Dares Salam , Tanzania
 - MakarereUniversity, Kampala, Uganda
 - MOI University, Nairobi, Kenya
- 2004 – 2011** **Convenor and lecturer Course Coordinator:** Trop Ed accredited: Reproductive Health & HIV/AIDS: New Evidence and Strategy. IPH, University of Heidelberg
- 2002-2011** **Lecturer MSc Course at IPH, University of Heidelberg, Germany:** Social determinants of health, Gender , PMTCT (prevention of mother to child transmission) , Sexually transmitted infections, Survey design.IPH, University of Heidelberg
- 2003-2011** **Lecturer in EHCourse** (Gesundheitsversorgung in Entwicklungsländern) : Family planning, HIV & poverty, HIV & Gender, High Risk & Vulnerable Group, PMTCT. IPH, University of Heidelberg
- 2004- 2012** **Guest Lecturer**
- Charite, Institute of Tropical Medicine and International Health,Berlin, Germany
 - Institute of Tropical medicine (ITM), Antwerp, Belgium
 - School of Public Health, University of Ann Arbor, Michigan, USA
 - South Asian Institute, University of Heidelberg, Germany
 - University Montreal, Canada

Thesis Supervision

James P Grant School of Public Health, Bangladesh
Institute of Public Health, University of Heidelberg, Germany
Charite, Institute of Tropical Medicine and International Health, Berlin, Germany
Swiss Tropical Institute, Switzerland
University of Ottawa, Canada
George Washington University, USA
Master's Thesis: (Reproductive Health, HIV, PMTCT, Malaria, Health System)
2001-2010: 21 Thesis,
(University of Heidelberg Germany, Swiss Tropical Institute, Switzerland, Charite, Institute of Tropical Medicine and International Health, Berlin, Germany)
BRAC JPGSPH, BRAC University: (MPH Thesis)
2011-13: 12 Thesis
2014: 7 Summative Learning Projects (SLP)
2015: 5 Summative Learning Projects (SLP)
2016: 6 Summative Learning Projects (SLP) (Co-Supervisor)
2017-9: 17 Summative Learning Projects (SLP- Master's Thesis)

2020 : 6 Summative Learning Projects (SLP Master's Thesis)

Doctoral Thesis: 9 (completed 7)

Analytical Skill

Quantitative and Qualitative Research Design and Data Analysis using software
SAS, Stata and N Vivo

Programmatic Experience

- 2000- 2001** **Zonal Health Manager (32 Districts)**, Health Program, BRAC (Bangladesh Rural Development). Responsible for implementation of
- ◆ Reproductive and MCH care
 - ◆ STI/HIV prevention
 - ◆ Nutrition intervention
 - ◆ Tuberculosis control
 - ◆ Surveillance, Monitoring and Evaluation
- 2000** **Sector Specialist in Reproductive Health, Provides technical support t**
- ◆ Reproductive and MCH services
 - ◆ Syndromic diagnosis of sexually transmitted diseases.
 - ◆ Community based nutrition program
 - ◆ Adolescent Reproductive Health Education program
 - ◆ Monitoring, Evaluation and Quality Assurance
 - ◆ Women's & Children's Death Audits
- 1994-95** **Sub-district in charge** Women's Health and Development program (WHDP), BRAC, Bangladesh.
- ◆ Reproductive and MCH services
 - ◆ Community-based TB control (DOT) program
 - ◆ Adolescent Reproductive Health Education Program
 - ◆ Child survival program (EPI, ARI, Diarrhea)
 - ◆ The child growth monitoring program
- 1992-94** **Junior Consultant** Women's Health and Development Program (WHDP) BRAC, Bangladesh, provides technical support to
- ◆ Reproductive and MCH services
 - ◆ Community-based TB control (DOT) program
 - ◆ Adolescent Reproductive Health Edu. Program
 - ◆ Child survival program (EPI, ARI, Diarrhea)
 - ◆ The child growth monitoring program
- 1991-92** **MCH Physician.** Marie Stopes Clinic Society: Chittagong, Bangladesh
- ◆ Rural Outreach Center, serving pregnancy-related care and family planning services in 35 villages.
- 1990** **Resident Obstetrician.** Agrabad Maternity Clinic, Chittagong, Bangladesh

Consulting Experience

2009 **Consultant** to WHO through EVA Plan Heidelberg. *Develop a curriculum on HIV/AIDS for WHO staff*

- 2008** **Consultant** to GTZ and BRAC University. *Develop a 2weeks short course on Quality management of health care*
- 2005** **Consultant** to Swiss Tropical Institute, Switzerland. Written with Dr. Claudia Kessler. *Reproductive Health Update 2005*
- 2005** **Consultant** to GTZ: *Human Resource Development in the area of HIV- AIDS in Chittagong, Bangladesh*
- 2002-3** **Consultant** to The Federal Ministry for Economic Co-operation and Development (BMZ) Project: *Evaluation of “Addressing reproductive rights and health needs of young people after ICPD: the contribution of UNFPA and IPPF”* Tender awarded to EHG, Options, Heidelberg.
- 2002** **Consultant** for UNFPA: Evaluation “*Maternal mortality audit & designing the reproductive health program for 2003-4 in Kazakhstan* “
- 2002** **Consultant** for SFB/DFG project: *Assessing client and health provide preferences for VCT services in rural Burkina Faso.*
- 2001** **Technical support for** Heidelberg University, Germany *Implementation of Syndromic Diagnosis of STD in Nepal,*

Computer

SAS, Stata, SPSS, Epi Info, N Vivo, Excel , Word, Power Point

Languages

Bengali - Mother tongue

English - Fluent in both written and spoken.

German – Intermediate level (Deutsche Zertifikate)

French - Basic

Hindi & Urdu - Understand very well

Peer Reviewer

Many Peer Review Journals including Lancet Global Health, Plos One, BMC group, Social Science & Medicine, WHO Bulletin, Health Policy Planning
 Medical Research Council, UKRI, UK
 African Research Academy