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Department of Food Engineering,
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University (BSMRSTU), Gopalganj, 8100, Bangladesh

PROGATI BAKSHI

Date of birth: 26/03/1997

Nationality: Bangladeshi

Gender: Female

EDUCATION

University of Dhaka
January 2019 - December 2019
M.S in Nutrition and Food Science
CGPA 3.92

University of Dhaka
January 2015 - December 2018
B.S in Nutrition and Food Science
CGPA 3.69

WORK EXPERIENCE

Lecturer

Department of Food Engineering,
Bangabandhu Sheikh Mujibur Rahman Science and Technology University (BSMRSTU), Gopalganj, 8100,
Bangladesh

08 June 2022 – Current

Responsibilities:

Delivering educational content, organizing materials, participating in student meetings, assessing their work, handling administrative tasks, and actively contributing to the development of research proposals and publications, with a particular focus on human nutrition and public health.

Assistant Program Manager

Emergency Rohingya Response Programme Concern Worldwide
Cox's Bazar, Bangladesh

03 Apr 2022 – 05 June 2022

Responsibilities:

The technical duties involve ensuring the high-quality and timely implementation of child and maternal nutrition programs, supervising the establishment of diverse nutrition sites, and monitoring the delivery of optimal services to malnourished children under 5, pregnant and lactating women, and adolescent girls. Additionally, responsibilities include supporting program growth, conducting training sessions, mentoring staff, representing Concern Worldwide in coordination forums, managing budgets, reporting, stakeholder coordination, maintaining the supply chain, promoting accountability, and prioritizing community involvement and effective complaint mechanisms.

Outreach Supervisor

Integrated Nutrition Interventions for Prevention and Treatment of Acute Malnutrition among Vulnerable FDMN
Concern Worldwide, Cox's Bazar, Bangladesh

21 Mar 2021 – 02 Apr 2022

Responsibilities:

The primary task involves implementing the Nutrition in Emergency Response Project, ensuring essential nutrition support services reach the targeted communities, including children under five, adolescent girls, and pregnant and lactating women. Responsibilities include listing households, screening vulnerable (SAM, MAM, and at-risk) children, training community nutrition workers, motivating community members, developing mobilization plans, establishing links with community leaders, building rapport with beneficiaries, and fostering a collaborative team culture to facilitate effective learning and knowledge sharing.

Project Officer*05 Jan 2021 – 18Mar 2021*

Social Assistance and Rehabilitation for The Physically Vulnerable (SARPV)

Responsibilities:

Delivering Health, Nutrition, Livelihood, and Protection Services for Rohingya Refugees and Vulnerable Host Communities in Cox's Bazar, Bangladesh.

*08 July 2020 – 30 Nov 2020***Nutrition and Health Project Officer**

Integrated Nutrition Programme Action Contre La Faim (ACF)

Cox's Bazar, Bangladesh

Responsibilities:

Supervising community outreach and mobilization in refugee settlements, managing teams, reporting center statistics, coordinating communication, and supporting ACF's commitments to gender equality, child protection, and disability sensitivity

RESEARCH PROJECTS

The correlation between parental education and infant and young child feeding in South Asia. This study aims to investigate through a systematic literature review.

Karolinska Institute, Sweden.

Chemical and microbial analysis of locally available, non-branded food sold in the vicinity of the BSMRSTU campus.

Department of Food Engineering, BSMRSTU, Institute of Nutrition and Food Science (INFS), University of Dhaka.

Assessing the microbial quality of frequently consumed food items on the BSMRSTU campus.

Department of Food Engineering, BSMRSTU, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka

Characterization of Pathogenic *E. coli* and identification of antibiotic-resistant pathogens from food samples in the Dhaka University campus of Bangladesh.

Institute of Nutrition and Food Science (INFS), University of Dhaka.

Development and Evaluation of Wheat Bread Fortified with Mushroom Powder.

The Institute of Food Science and Technology (IFST), Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka

Post Covid-19 Manifestations and Dietary Habits among Diabetic Patients: A Cross-sectional Survey in Dhaka City.

Department of Food Technology and Nutritional Science, Mawlana Bhashani Science and Technology University, Tangail, Bangladesh.

Morbidity and Dietary Patterns of Elderly People: A cross-sectional study at a renowned hospital in Bangladesh Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh.

Estimation of the nutrient gap in the current food menu of garment workers in Bangladesh considering their workplace and home food intake, Global Alliance for Improved Nutrition (GAIN, BANGLADESH)

PUBLICATIONS

Bakshi, P., Bhowmik, A., Ahsan, S., & Alim, S. R. (2023). Identification of antibiotic-resistant pathogens and virulence genes in *Escherichia coli* isolates from food samples in the Dhaka University campus of Bangladesh. *Food Science & Nutrition*. <https://doi.org/10.1002/fsn3.3896>

Zaher, M. A., Sultana, M., Zebsyn, S., Bakshi, P., et al. (2023). Gender Differences in Food Consumption Patterns among Elderly Outpatients in Dhaka, Bangladesh – A Cross-Sectional Study. *Universal Journal of Public Health* 11(5): 761-769

Sarkar, P., Rifat, M. A., Bakshi, P., Talukdar, I. H., Pechtl, S. M., Lindström Battle, T., et al. (2023). How is parental education associated with infant and young child feeding in Bangladesh? A systematic literature review. *BMC Public Health*, 23(1) 510.

Mistry, S. K., et al. (2021). Misconceptions about COVID-19 among older Rohingya (forcefully displaced Myanmar nationals) adults in Bangladesh: findings from a cross-sectional study. *BMJ open*, 11(5), e050427.

TRAINING & WORKSHOP

Training on Outcome-based Education and OBE Curriculum Development, Bangabandhu Sheikh Mujibur Rahman Science and Technology University (BSMRSTU)

Training on early childhood care and development (ECCD), Concern Worldwide

Training on community-based management of acute malnutrition (CMAM), Concern Worldwide

Training on Infant and Young Child Feeding practice in emergencies (IYCF-E), Concern Worldwide

Training on Adolescent Nutrition, CARE Bangladesh

Training on Disability Inclusive Interpersonal Communication, Johns Hopkins Center for Communication Programs

Workshop on Recording and Reporting Revision, and Digitalizing the Information Management System, Nutrition Sector, Bangladesh

Training on NBF Child Management, Save the Children International

Training on Mother Care Group (MCG) Sessions and Activities, Social Assistance and Rehabilitation for the Physically Vulnerable (SARPV)

Training on home yard gardening, Social Assistance and Rehabilitation for the Physically Vulnerable (SARPV)

Training on Program Database Application (PDA), Action Contre la Faim (ACF)

Training on gender-sensitive approach to MAM PLW, Nutrition Sector, Bangladesh

Training on protection mainstreaming, Nutrition Sector, Bangladesh

Self-care and team care for staff, Nutrition Sector, Bangladesh

ONLINE CERTIFICATION

Researcher Connect Online Programme with the British Council

Health in Complex Humanitarian Emergencies, Emory University

Excel Skills for Business: Essentials, Macquarie University

Epidemiology: The Basic Science of Public Health, The University of North Carolina at Chapel Hill

Nutrition and Lifestyle in Pregnancy, Ludwig Maximilian University of Munich

Healthy Practices: Nutrition, Physical Activity, And Community and Family Participation, University of Colorado

Spanish Vocabulary: Meeting People, University of California, Davis

RESEARCH GRANT

1. National Science and Technology (NST) Fellowship by the Ministry of Science and Technology, Bangladesh for MSc thesis (2019)
2. Annual Research Fund by BSMRSTU Research Cell (2022-23)
3. Annual Research Fund by BSMRSTU Research Cell (2023-24)

AWARDS & HONORS

October 2021, Award of Kindness, Concern Worldwide funded by UNICEF, WFP & KOICA.

ADDITIONAL SKILLS

Language Skills:

Mother tongue(s): Bengali

English- IELTS Band Score 7.5, (Listening 8.5, Reading 7.0, Writing 7.0, and Speaking 6.5, CEFR Level: C1)

Spanish – Conversational

Hindi- Conversational

Laboratory Analytical Skills: Microbial and Biochemical Essay, Antibiotic Sensitivity Test, PCR Essay, Proximate compositional analysis of Nutrients, Pigment Extraction.

MS Office Tools- Advanced

Statistical Computing, Qualitative Data Analysis, Systematic Review and Meta-analysis – Advanced

Advisory and Voluntary Activities:

Student Advisor: BSMRSTU Science Club, BSMRSTU Global Affairs Council, BSMRSTU Photographic Society, BSMRSTU Green Voice, Come for Road Child, Bangladesh.

Technical Volunteer-UNICEF, Vitamin A Plus Campaign

RECOMMENDATIONS

Academic Reference

Dr. Sharmin Rumi Alim Professor, Institute of
Nutrition and Food Science,
University of Dhaka
Email rumialim@yahoo.com
Phone (+880) 1711687516

Professional Reference

Dr. Mohammad Asaduzzaman Khan
Chairman, Department of Food
Engineering, BSMRSTU, Gopalganj-8100,
Bangladesh
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