

## **Dr. G. M. M. Anwarul Hasan**

**Senior Scientific Officer &  
Section In-charge**

📍 Milk, Dairy and Fermented Food  
Product Research Section  
Institute of Food Science and Technology (IFST)  
Bangladesh Council of Scientific and  
Industrial Research (BCSIR), Dhaka-1205, Bangladesh



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Nationality: Bangladeshi  
Date of Birth: 15<sup>th</sup> October, 1980  
Member: Scientists Association (BCSIR), Bangladesh

### **Job Responsibility**

- (a) Conducting research on milk and dairy products, food science, microbiology, biochemistry, molecular biology
- (b) Carrying out different research and development projects in milk and dairy products laboratory
- (c) Supervise the students (PhD, M.Sc.) doing research on milk and dairy products.
- (d) Developing practical applications of experimental and research findings
- (e) Analyzing and conducting research to develop theories, techniques and processes and testing the reliability of outcomes under different conditions

### **Academic Qualification:**

Name of Exam.	Specialization & Institute	Passing Year
PhD	Biochemistry & Molecular Biology Jahangirnagar University, Savar, Dhaka, Bangladesh	2017
M. Sc.	Biochemistry & Molecular Biology Rajshahi University, Rajshahi, Bangladesh	2003
B.Sc.	Biochemistry & Molecular Biology Rajshahi University, Rajshahi, Bangladesh	2002
HSC	Science, Govt. M. M. Ali College, Tangail, Bangladesh	1997
SSC	Science, PolliUnnayan Academy Laboratory School, Bogra, Bangladesh	1995

## **Professional Training Courses**

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Participated in the “30<sup>th</sup> Palm Oil Familiarization Programme”: 10-18 July 2010,  
**Kuala Lumpur, Malaysia.**

Training of Trainers (ToT) Workshop on Food Hygiene in the bakery industry Organized by Food and Agricultural Organization (FAO) at 16, 18,19 February 2012. This programme was organized by the **FAO team implementing the project** “Improving Food Safety, Quality and Food Control in Bangladesh (GCP/BGD/038/EC)

Training course on “Occupational Safety, Health & Environmental Management” at **Engineering Staff College, Bangladesh** during 22-24 July 2011

Training program on Operating system and maintenance of Atomic Absorption Spectrophotometer (AAS) at Bangladesh Council of Scientific and Industrial Research (**BCSIR**) Bangladesh during 20-21 May 2012

Training program on “Introduction to CRISPR-Cas9 Genome Editing” during 22-25 August 2017 at ThermoFisher Scientific, Carlsbad, **California, USA.**

Training program on “CE Application for Analytical Method Development & Method Validation” during 29<sup>th</sup> April to 13<sup>th</sup> May 2018 at **ThermoFisher Scientific, India.**

Training program on “In-plat Training” during 7-13<sup>th</sup> October 2018 at Arla Foods, **Denmark.**

Training program on “Project Appraisal, EIA and Formulation of DPP” during at National Academy for Planning & Development (NAPD), **Ministry of Planning, Bangladesh**

Training program on “management Skills for Project Executives” during 13 September to 17 September, 2020 at National Academy for Planning & Development (NAPD), **Ministry of Planning, Bangladesh**

## **Patents:**

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Chowdhury K, Khan S, Karim R, Obaid M, **Hasan GMMA** (2013) “Production of Vegetable Ghee” was accepted on 6<sup>th</sup> March, 2013 and numbered as Bangladesh patent serial no. 1005367.

Chowdhury K, Khan S, Karim R, Obaid M, **Hasan GMMA** (2014) “A process for the production of Natural Nutri Supplementary Oil (Black Cumin Seed Oil)” was accepted on 21/01/2014 and numbered as Bangladesh patent serial no. 1005479

## **Publications**

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- Chowdhury K, Khan S, Karim R, Obaid M, **Hasan GMMA** (2011) Effect of Moisture, Water Activity and Packaging Materials on Quality and Shelf Life of Some Locally Packed Chanachur. *Bangladesh J. Sci. Ind. Res.* 46(1), 33-40.
- Chowdhury K, Khan S, Karim R, Obaid M, **Hasan GMMA** (2012) Quality and Shelf-Life Evaluation of Packaged Biscuits Marketed in Bangladesh. *Bangladesh J. Sci. Ind. Res.* 47(1), 29-42.

- Suvra Das, Sourav Shill, RobelPatwary, MeherNigadNipa, **G.M.M. AnwarulHasan**, SuvamoyDatta, SahanaParveen(2016)Antimicrobial resistance pattern of some selected bacteria isolated from Hatirjhil lake water, International Journal of Biosciences (IJB),Vol. 8, No. 5, p. 87-95
- Suvra Das, **G M MAnwarulHasan** and SahanaParveen(2015)Evaluation of Microbial Load And Quality of Milk & Milk Based Dairy Products, Octa Journal of Biosciences ISSN 2321 – 3663 Vol. 3(1):1-4, June 2015, 1-4.
- **Hasan G. M. M. A**, Khanam S. Detection of Trace Elements in Selective Dairy Products to Assess Human Health Risk of Bangladeshi people. Orient J Chem 2021;37(2).
- **Hasan G. M. M. A**, Das A. K. Determination of Caffeine in Beverages Found in Bangladeshi Market byHigh Performance Liquid Chromatography (HPLC). Orient J Chem 2021;37(3)
- **Hasan, G.M.M.A.**, Kabir, M.H. and Miah, M.A.S Determination of Heavy Metals in Raw and Pasteurized Liquid Milk of Bangladesh to Assess the Potential Health Risks, Food Research [Accepted]

### **Abstract Publications**

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Chowdhury K, Khan S, Karim R, Obaid M, **Hasan GMMA (2014)**Awareness About the Necessity of Proper Processing of Crude Black Cumin Seed oilfor human consumption Abstract No. GCCH099/2014 Poster presented atThe Global Conference on Community Health 2014 organized by Eminence, Bangladesh and Partners for World Health, USA

### **Process Developed:**

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Process of “Mobile Milk Tanker” No.:39.02.0000.043.37.120.18/877 Dated: 18.04.2019-Accepted by Bangladesh Council of Scientific & Industrial Research, Dhanmondi, Dhaka-1205.Bangladesh.

Process of “Production of Vegetable Ghee” No.: SHACI/GHAUBI /62–630/2007/181 Dated: 11.12.2007-Accepted by Bangladesh Council of Scientific & Industrial Research, Dhanmondi, Dhaka-1205. Bangladesh.

Process of “Production of Natural Nutri-Supplementary Oil (Black Cumin Seed Oil)” No.:39.373.037.04.00.171.2012 Dated:23.10.2012-Accepted by Bangladesh Council of Scientific & Industrial Research, Dhanmondi, Dhaka-1205. Bangladesh.

### **Social Works and Other activities**

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Participated in “**14<sup>th</sup> Asia pacific scout Jamboree’94**” Held on Dhaka

Participated in “**Asia Pacific Youth Forum 94**” held on Dhaka.

## References

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Professor Dr. Md. Aftab Ali Shaikh  
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Research (BCSIR)  
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