

Personal Data

Name : **Maksuda Begum**

Father's name : Late Al Hajj Mohammad Abdul Halim

Mother's name : Al Hajj Mrs. Peara Begum

Place and date of birth : Dhaka, Bangladesh, 3rd August 1974

Present Occupation : Senior Scientific Officer
Medicinal and Aromatic Plant Research Division
BCSIR Chattogram Laboratories
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Nationality : Bangladeshi by birth

Sex : Female

Employee ID/Code :10193



On-going Projects

- “Effects of Aflatoxins (AFs) in tissues of cultured prawn and finding possible remedies for the Aflatoxin detoxification of feed.”
- “A cross sectional study of plasticizers on diabetes and cardiovascular disease.”
- “Assessment and profiling of health hazard phthalates in packaged food, drinks and beverage contaminated from packaging material in Bangladesh and identify the safe plasticizers for food package ”
- “Development of immunity boosting bread using locally available indigenous plants’ sources”

▪ Position and Employment

27 December 2021 to present date	Senior Scientific Officer, Medicinal and Aromatic Plant Research Division BCSIR Chattogram Laboratories.
24 July 2017 to 26 December 2021	Senior Scientific Officer, Food Toxicology Research Laboratory, IFST, BCSIR.
28 July 2011 to 23 July 2017	Scientific Officer, Food Toxicology Research Laboratory, IFST, BCSIR.
10 May 2011 to 27 July 2011	Research Chemist, Food Toxicology Research Laboratory, IFST, BCSIR.
09 July 2006 to 09 May 2011	Research Chemist, Plant Protein Research Laboratory, IFST, BCSIR.

Poster/ Paper presentation:

1. Poster presented as co-author entitled “**Development of method for the determination of Aflatoxin M₁ in raw, pasteurized, UHT milk and milk powder by Liquid Chromatography Tandem Mass Spectrometry (LCMSMS)**” in the 36th Annual Conference of Bangladesh Chemical Society on 1st March 2014 at Hajee Mohammad Danesh Science & Technology University (HSTU), Dinajpur, **Bangladesh**.
2. Scientific paper presented as co-author entitled “**Validation of the method for simultaneous determination of Tetracyclines (TC, OTC, CTC) in shrimp by HPLC with fluorescence detector**” in the Global Conference on Community Health-2014 on 19-22 March 2014 at Nabab Nawab Ali Senate Bhaban, University of Dhaka, **Bangladesh** and this presentation has won the “**Professor Dr. AKM Rafique Uddin Memorial Award**” as the Best Oral Presentation.
3. Poster presented as author entitled “Occurrence of aflatoxins in freshwater shrimp from different hatcheries of Dumuria, Khulna in the International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021) on 11-13 March 2021 at BCSIR, Dhaka, Bangladesh.

4. Poster presented as author entitled “Assessment of aflatoxin residues in freshwater fish from different farms of Cumilla and Brahmanbaria District, Bangladesh in the Conference Of BCSIR Congress 22 on 3 December at BCSIR, Dhaka, Bangladesh.

Process accepted (03)

1. Process on “Production of rubber curing agents incorporating natural rubber latex in sulfur powder for the use in natural rubber-based products.”
2. Process on “Production of synthetic rubber-based rubber curing agents containing high percentage of Sulfur powder for the use in synthetic rubber-based products”.
3. Process for the “**Production of Fruit and Vegetable Wash Concentrate**”, accepted by BCSIR, Dhaka, Bangladesh at 15 May 2014 [Lease out at 2018-19; Commercial name- Clean Ava]

Papers published: (14)

1. **Screening of Organochlorine Insecticides (DDT and Heptachlor) in Dry Fish collected from the processing zone of Bangladesh.**
M. N. H. Bhuiyan, B. K. Saha, M. T. Hassan, F. A. Lucky and **M. Begum**
International Journal of Animal and Fisheries Science: Volume1, Issue :5, December 2008, ISSN: 1997-2598
2. **Chemical Investigation of Essential Oils of *Lantana camara* Leaves and Flowers grown in Bangladesh.**
M. N. H. Bhuiyan, M. N.I. Bhuiyan, J Begum, B. K. Saha and **M. Begum**
International Journal of Sustainable Agricultural Technology: Volume:4, Issue: 6, December 2008, ISSN: 1815-1272
3. **Chemical Composition and Detection of Harmful Bacteria in Fish Feeds.**
Sharmin Rumi Alim, **Maksuda Begum**, Emran Kabir Chowdhury, Bangladesh Journal of Medical Science (BJMS): Volume 15, Number 02, September 2009, 143-144
4. **Retention of Nutritional Quality of Solar Dried Carrot (*Daucus carota* L.) During Storage.**
M. M. Rahman, G. Kibria, Q. R. Karim, S. A. Khanom, L. Islam, M. Faridul Islam and **Maksuda Begum**
Bangladesh Journal of Scientific and Industrial Research:45(4), 359-362, 2010
5. **Nutritional Profile of Some Tropical Fruits in Bangladesh: Specially Anti-Oxidant, Vitamins and Minerals.**
Jahan S, Gosh T, **Begum M**, Saha BK.

Bangladesh Journal of Medical Science (BJMS): Volume 10, Number 02, April 2011

6. **Effect of Neem (*Melia azadirachta* L.) Leaf and Bishkatali (*Polygonum hydropiper*L.) Root Powder for Decontamination and Calcium Hydroxide for Detoxification of Aflatoxin in Rice, Maize and Wheat.**

M N.H.Bhuiyan, M. T. Hassan, **M. Begum**, M. Ahsan and M. Rahim.

Journal of Subtropical Agricultural Research and Development; Vol.11, Issue 2, August 2013, p 1056-106

7. **Occurrence and Seasonal Trends of Aflatoxin in Rice, Maize and Wheat in Bangladesh**

M N.H.Bhuiyan, M.T.Hassan, **M. Begum**, M. Ahsan and M. Rahim.

International Journal of Sustainable Agricultural Technology; Vol.9, Issue 8, August 2013, p 8-14

8. **Development of method for the determination of aflatoxin M1 in raw milk and milk powder by LCMSMS.**

M. Matiur Rahman, M.Tariqul Hassabn ,M.Nurul Huda Bhuiyan , **Maksuda Begum**, and M.anwar Hossain

International Journal of Sustainable Agricultural Technology; Vol.12, Issue1, January2016, p 8-12

9. **Characterization of seed kernel oil of Bangladesh mango and it's evaluation as cosmetic ingredient.**

M.K.Nahar, S.A.Lisa, K.Nada, and **M.Begum**

Bangladesh Journal of Scientific and Industrial Research:52(1), 43-48, 2017

10. **Oxytetracycline residue in Tilapia.**

A.K.Barman,M.Hossain, M..M.Rahim, M.T.Hassan and **M.Begum**

Bangladesh Journal of Scientific and Industrial Research: 53 (1), 41-46, 2018

DOI: <http://dx.doi.org/10.3329/bjsir.v53i1.35909>

11. **Oxytetracycline residues in Thai *Pangasianodon Hypophthalmus* sampled from Sylhet Sadar Upazila, Bangladesh.**

Md. Motaher. Hossain, A. K Apurbo Barman, Md.M.Rahim, M.T.Hassan, **M.Begum** and Debarshi Bhattacharjee

Bangladesh Journal of Zoology: 46 (1), 81- 86, 2018

ISSN: 0304-9027(print), 2408-8455(online)

12. **Assessment of heavy metals concentration in water and Tengra fish (*Mystus vittatus*) of Surma River in Sylhet region of Bangladesh.**

Ariful Islam, Md. Motaher Hossain, Md. Matiur Rahim, Md. Mehedy Hasan, Mohammad Tariqul Hassan, **Maksuda Begum** and Zobaer Ahmed

Archives of Agriculture and Environmental Science (An International Journal)

ISSN: 2456-6632 (Online); Vol 4, Issue 2, p 151-156, 2019

DOI: 10.26832/24566632.2019.040204

13. **Determination of Mycoflora and Mycotoxins in Raw and Roasted Peanuts in Bangladesh.**

Md.Maniruzzaman Khandaker, Md. Raju Ahmed, Md. Matiur Rahim, Md. Tariqul Hassan,

Maksuda Begum

International Journal of Plant and Environment, Volume 5 Issue 4 ,2019

ISSN: 2454-1117 (Print), 2455-202X (Online)

DOI: 10.18811/ijpen. v5i04.5

Published: 31/10/2019

14. **Mycoflora and Mycotoxin Detection in Roasted Peanut Kernels of Bangladesh.**

Md.Maniruzzaman Khandaker, Tasmilur Rahman, Md. Matiur Rahim, Mohammad

Tariqul Hassan, **Maksuda Begum** and Md. Abdullahil Baki Bhuiyan

Bangladesh Journal of Plant Pathology (BJPP)_2019.35(1&2),09.

Published: 18/08/2020

15. **Aflatoxins from shrimp and shrimp feed of coastal farms from Bangladesh**

(Paper Submitted as a first author, 2022) Journal : Science of the Total Environment