

## CURRICULUM VITAE

### **Md. Nurul Huda Bhuiyan, PhD**

Date of birth: 01-10-1979

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### **Working experience:**

<b>Position and Institution</b>	<b>From</b>	<b>To</b>
Principal Scientific Officer, BCSIR Laboratories, Bangladesh	July 2021	To date
Senior Scientific Officer, Food Toxicology Research Laboratory, Bangladesh Council of Scientific and Industrial Research (BCSIR), Bangladesh	August 2019	August 2021
Ph.D. fellow, Chemical & Environmental Toxicology, Graduate School of Public Health, Seoul National University, South Korea	August 2015	August 2019
Senior Scientific Officer, Food Toxicology Research Laboratory, Bangladesh Council of Scientific and Industrial Research (BCSIR), Bangladesh	August 2011	August 2015
Scientific Officer, Food Toxicology Research Laboratory, Bangladesh Council of Scientific and Industrial Research (BCSIR), Bangladesh	August 2008	August 2011
Scientific Officer, BCSIR Laboratories Chittagong, Bangladesh Council of Scientific and Industrial Research, Bangladesh	June 2006	July 2008

**Academic Background:** Ph.D. (Chemical & Environmental Toxicology), Seoul National University, South Korea. (September 2015 – July 2019).

M.S (Biochemistry & Molecular Biology); 2003; University of Dhaka, Bangladesh.

B.Sc. (4 years integrated Bachelor of Science, Hons. in Biochemistry & Molecular Biology); 2002; University of Dhaka, Bangladesh.

### **Expertise:**

- Fifteen year's research experience. The area of work involves method development, validation, and analysis of pesticides, health-hazard antibiotics and metabolites, dyes, and mycotoxins using HPLC, LCMSMS, GC, and GCMS. Also, work for analysis of antibiotics (bioequivalence studies) and degraded DNA (as for arsenicosis patients) in the biomedical samples (blood and urine). Expertise in tools of Biochemistry and Molecular Biology like ELISA and RT-PCR.
- Special field of work in analytical chemistry for investigation of health hazard chemicals and their toxicological effect in environmental and food samples using Liquid Chromatography (LC), Gas Chromatography (GC), and Mass spectrometry (MS) and experienced in LC, LCMSMS, GC, and GCMS, and RT-PCR.
- Expert on Toxicological investigation using three organism models e.g. Zebrafish, and *Daphnia Magna* and *Daphnia Moina*.

- d) Trainer of HPLC, LCMSMS, and GCMS for the in-house training program in BCSIR and was the key trainer of Food safety project Bangladesh, organized by FAO (Food and Agriculture Organization of the United Nations) in BCSIR titled “Veterinary drug residue analysis using LCMSMS” during 29 November 2011 to 04 December 2011.

**Publications:** 35 (Thirty five) [Please see Annexure-1]

**Process:** 01 (One) A process for the “production of fruit and vegetable wash concentrate”.

**Supervising MS students:** 18 MS students were supervised to carry out their dissertations in our lab. Currently, **three students** from Dhaka University (01) and Sher -E- Bangla Agricultural University are ongoing.

**Participation in national and international workshops/seminars/conferences:**

September 2022	International Conference on Environmental Protection for Sustainable Development (ICEPSD-2022), organized by Forest and Environment Affairs Sub-committee, Bangladesh Awami League.
March 2021	International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021), organized by Bangladesh Council of Scientific and Industrial Research, Bangladesh.
December 2019	BCSIR Congress (International), organized by Bangladesh Council of Scientific and Industrial Research, Bangladesh.
October 2019	11th Micropol & Ecohazard Conference 2019, Seoul National University, South Korea.
March 2019	Conference on Sustainable Environment and Health, organized by the Korean Society of Environmental Health.
September 2018	SETAC Asia-Pacific 2018 Conference, Deagu, South Korea.
May 2017	International Conference on challenges of Sustainable Environmental Health, organized by Environmental Health Sciences, Seoul National University.
April 2016	Conference on Sustainable Environment and Health, organized by the Korean Society of Environmental Health.
June 2014	36 <sup>th</sup> Annual Conference of Bangladesh Chemical Society, Dhaka, Bangladesh.
March 2013	Conference on the role of molecular biology in the industry of Bangladesh organized by Bangladesh Society of Biochemistry and Molecular Biology, Dhaka, Bangladesh.
August 2012	Seminar on “Bioequivalence studies in Bangladesh – opportunity for investment” organized by the High Commission of Canada in Dhaka, Bangladesh.
January 2012	International seminar on Organic pollutants in Food, Agricultural Products, and Environment at the University of Dhaka, Organized by the Organic Pollutants Research Group (BAN:04), Department of Chemistry, University of Dhaka, Dhaka, Bangladesh. Sponsored by International Science Programme (ISP), Uppsala University, Uppsala, Sweden.
December 2010	5th International Conference on Innovations in Food and Bioprocess Technology, organized by Asian Institute of Technology, Thailand.

**Research interest:**

The toxicological study, source identification, and risk assessment of health hazard contaminants in the environment and food.

**Review work (5):**

1. Chemosphere
2. Environmental Science and Pollution Research
3. Toxicology and Environmental Health Sciences
4. Bangladesh Journal of Pharmacology
5. Bangladesh Journal of Scientific and Industrial Research

**Ongoing Research work:**

1. 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 packages from July 2020 (Ministry of Science & Technology, Bangladesh funded). **(Principal-Investigator)**
2. A cross-sectional study on the association of plasticizers especially phthalates and bisphenols on diabetes and cardiovascular disease from July 2020 (BCSIR funded). **(Principal-Investigator)**
3. Effects of Aflatoxins (AFs) in tissues of cultured prawn and finding possible remedies for the Aflatoxin detoxification of feed from July 2019 (BCSIR funded). **(Co-Investigator)**
4. Total diet study of Bangladesh of health hazard chemicals in food coming from the environment from April 2020 in collaboration with Bangladesh Agricultural University (FAO-funded project). **(Co-Investigator)**

**Awards and Honors:**

1. International Award- GSFS (Graduate Scholarship for Excellent Foreign Students) from 2015 and 2019 given by Seoul National University, Korea.
2. International Award- Extraordinary international student award (Woojung) in 2017 and 2018 given by Booyoung Group and Korea Chamber of Commerce.
3. International Award- 2011 (Michael Madhusudan Dutta Award) in the category of the young scientist. The award is given each year only to one young scientist in the country for outstanding research work by Michael Council and South Asian Literature and Cultural Council, Dhaka, Bangladesh.
4. Best poster award-2017 by Korean Society of Environmental Health.

**Other achievements:**

1. Successfully completed the lead assessor training course on ISO/IEC 17025 for testing and calibration laboratories organized by Bangladesh Accreditation Board (BAB) from 14 to 18 June 2015.
2. Worked as a Technical Expert for Bangladesh Accreditation Board (BAB) for laboratory assessment 2014-2015.

### **Internship:**

Completed a six months internship project at VERIFIN Laboratory, Department of Chemistry, University of Helsinki, Finland funded by OPCW (Organization for the prohibition of chemical weapon convention) on method development and validation of metabolites or adducts as a biomarker of chemical warfare agents in biomedical samples (urine, blood, and tissues) using LCMSMS from 15 October 2013 to 14 April 2014.

### **Training obtained:**

1. Received two weeks of training on HPLC and LCMSMS organized by FAO (Food and Agriculture Organization of the United Nations) held in Export Inspection Agency (EIA) Laboratory, Kochi, India on 27 February- 09 March 2012, entitled “Training on Chemical analysis (Residues of veterinary drug, Mycotoxins & Dye) of foods”.
2. Received two weeks of training on GC and GC-MS Training organized by OPCW (Organization for the Prohibition of Chemical Weapon) held in VERIFIN, Helsinki, Finland on 27 May-10 June 2011, entitled “Analytical skills development course-2011”.
3. Received two weeks of training on HPLC organized by AQ Chowdhury Science & Synergy (Pvt.) Ltd held in Institute of Food Science and Technology (IFST), BCSIR, Dhaka on 8- 22 June 2009, entitled “Shimadzu HPLC application training”.
4. Received two weeks of training on GC with FID & ECD organized by AQ Chowdhury Science & Synergy (Pvt.) Ltd held in Institute of Food Science and Technology (IFST), BCSIR, Dhaka on 22 November - 06 December 2009, entitled “Shimadzu GC with FID & ECD & its application, maintenance & troubleshooting on the scientific experiment”.
5. Received two weeks of training on GC-MS organized by AQ Chowdhury Science & Synergy (Pvt.) Ltd held in Institute of Food Science and Technology (IFST), BCSIR, Dhaka on 10- 24 December 2009, entitled “Shimadzu GC-MS & its application, maintenance & troubleshooting on the scientific experiment”.
6. Received training on general laboratory equipment and various instruments under the “BCSIR in-house training program” in 2006.

### **Co-curricular and extra-curricular activities:**

1. Life member of Network of Instrument Technical personnel and User scientist of Bangladesh (NITUB). Membership no- LM102.
2. Life member of Registered Graduate of University of Dhaka. Membership no- 14005.
3. Life member of Graduate Biochemists Association (GBA).
4. Life member of Bangladesh Society of Biochemistry & Molecular Biology (BSBMB).
5. Life member of Feni Somity, Bangladesh. Membership no- LM1127.
6. Life member of BCSIR officers club. Membership no- LM 308.
7. Advisor and former Convener of Badhon (a voluntary blood donors Org.), Amar Ekushey Hall, University of Dhaka (2001-2002 session).
8. Former executive member of Bangladeshi Student’s Association in Korea (BSAK) (<http://bsak.org/>) from August 2017 to July 2019.
9. Former Convener of Amar Ekushey Hall debating club of Dhaka University (2001-2002 sessions).

**Personal details:**

Father's name : Abul Hashem Bhuiyan  
Mother's name : Nurer Nesa  
Nationality : Bangladeshi by birth  
Date of Birth : 01 October, 1979  
Religion : Islam (Sunni)  
Marital status : Married  
Sex : Male  
Blood group : B (+ve)  
Permanent address : Vill – West Pathan Gor, P.O. – Pathan Nagar  
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Bangladesh.

## Annexure-1

### PAPERS / PUBLICATIONS of Dr. Md. Nurul Huda Bhuiyan: (Number- 35)

1. Zakaria Al Noman, Tasnia Tabassum Anika, Ummay Humaira Safa, Safaet Alam, Subarna Sandhani Dey, **Md. Nurul Huda Bhuiyan**, Mahbulul Pratik Siddique, Md. Mahmudul Hasan Sikder. 2024. Antibiotic resistance risk assessment in Mymensingh, Bangladesh: Current scenario from human-animal-environmental interfaces viewpoint. *Heliyon*. Vol. 10, 35878. <https://doi.org/10.1016/j.heliyon.2024.e35878>.
2. Farhana Bobby, **Md. Nurul Huda Bhuiyan**, Barun Kanti Saha, Subarna Sandhani Dey, Anik Kumar Saha, Md Jahidul Islam, Mahci Al Bashera, Shyama Prosad Moulick, Farhana Jahan, Md. Asad Uz Zaman, Sanjana Fatema Chowdhury, Showti Raheel Naser, Md. Salim Khan, Md. Murshed Hasan Sarkar. 2023. In silico exploration of *Serratia* sp. BRL41 genome for detecting prodigiosin Biosynthetic Gene Cluster (BGC) and in vitro antimicrobial activity assessment of secreted prodigiosin. *PLoS ONE*. Vol. 18(11): 0294054. <https://doi.org/10.1371/journal.pone.0294054>
3. Shyama Prosad Moulick, Farhana Jahan, Md. Badrul Islam, Mahci Al Bashera, Md. Sabbir Hasana, Md. Jahidul Islam, Sabbir Ahmed, Debabrata Karmakar, Firoz Ahmed, Trissa Saha, Subarna Sandhani Dey, Farhana Bobby, Mandira Saha, Barun Kanti Saha, **Md Nurul Huda Bhuiyan**. 2023. Nutritional characteristics and antiradical activity of turmeric (*Curcuma longa* L.), beetroot (*Beta vulgaris* L.), and carrot (*Daucus carota* L.) grown in Bangladesh. *Heliyon*. Vol. 9: 21495.
4. Md Moniruzzaman, **Md Nurul Huda Bhuiyan**, Md Mahmudul Hassan Mondol, Nazim Uddin Ahmed, Mst Munni Akter, Mahci Al Bashera, Farhana Jahan, Arfatun Nahar Chowdhury, Iftekhar Md Noor, Sabrina Naz. 2023. Amino acids profile of six freshwater Algae in the northern region of Bangladesh: A solution for the protein supplement of poultry feed. *Journal of Agriculture and Food Research*. Vol. 14: P 100828.
5. Farhana Jahan, Md. Badrul Islam, Shyama Prosad Moulick, Mahci Al Bashera, Md. Sabbir Hasana, Nishat Tasnim, Trissa Saha, Farhana Bobby, Md. Waliullah, Anik Kumar Saha, Amin Hossain, Lailatul Ferdousi, Md. Mahmudur Rahman, Barun Kanti Saha, **Md Nurul Huda Bhuiyan**. 2023. Nutritional characterization and antioxidant properties of various edible portions of *Cucurbita maxima*: A potential source of nutraceuticals. *Heliyon*. Vol. 9: 16628.
6. Ali Ahsan Muzahid, Samia Sharmin, Md. Sakhawat Hossain, Kutub Uddin Ahamed, Nasim Ahmed, Most. Sarmina Yeasmin, Nazim Uddin Ahmed, Barun Kanti Saha, G.M. Masud Rana, Bijoy Maitra, **Md Nurul Huda Bhuiyan**. 2023. Analysis of bioactive compounds present in different crude extracts of *Benincasa hispida* and *Cucurbita moschata* seeds by gas chromatography-mass spectrometry. *Heliyon*. Vol. 9: 12702.
7. Farhana Jahan, **Md Nurul Huda Bhuiyan**, Md. Jahidul Islam, Sabbir Ahmed, Md. Sabbir Hasan, Mahci Al Bashera, Md. Waliullah, Arfatun Nahar Chowdhury, Md. Badrul Islam, Barun Kanti Saha, Shyama Prosad Moulick. 2022. *Amaranthus tricolor* (red amaranth), an indigenous source of nutrients, minerals, amino acids, phytochemicals, and assessment of its antibacterial activity. *Journal of Agriculture and Food Research*. Vol. 10: P 100419.
8. **Md Nurul Huda Bhuiyan**, Habyeong Kang, Jiwon Choi, Soyoung Lim, Younglim Kho, Kyungho Choi. 2021. Effects of 3,4-dichloroaniline (3,4-DCA) and 4,4'-methylenedianiline (4,4'-MDA) on sex hormone regulation and reproduction of adult zebrafish (*Danio rerio*). *Chemosphere*. Vol. 269: 128768. <https://doi.org/10.1016/j.chemosphere.2020.128768>
9. **Md Nurul Huda Bhuiyan**, Habyeong Kang, Ji Hyun Kim, Sungmin Kim, Younglim Kho, Kyungho Choi. 2019. Endocrine disruption by several aniline derivatives and related mechanisms in a human adrenal H295R cell line and adult male zebrafish. *Ecotoxicology and Environmental Safety*. Vol. 180: p. 326–332. <https://doi.org/10.1016/j.ecoenv.2019.05.003>.

10. **Md. Nurul Huda Bhuiyan**, Mamta Dawlatana, Habibur Rahman Bhuiyan, Farhana Akter Lucky, Barun Kanti Saha and Md. Nazrul Islam Bhuiyan. 2009. Quality Assessment of Dry Fishes of Bangladesh with the Special Emphasis on Harmful Additives. *Bangladesh J. Sci. Ind. Res.* 44(3), BCSIR, Dhaka. P 311-18.
11. **Md. Nurul Huda Bhuiyan**, Matiur Rahim, Mohammad Tariqul Hassan, Mamta Dawlatana. 2010. Health hazard nitrofurans metabolites in shrimp and its source: Bangladesh aspect. Proceedings of the 5th International Conference on Innovations in Food and Bioprocess Technology, 7-9 December, 2010. AIT, Thailand. [www.febt.ait.asia](http://www.febt.ait.asia).
12. **Md. Nurul Huda Bhuiyan**, Habibur Rahman Bhuiyan, Kabir Ahmed, Mamta Dawlatana, K. M. Formuzul Haque, Matiur Rahim and Md. Nazrul Islam Bhuiyan. 2009. Organochlorine insecticides (DDT and Heptachlor) in dry fish: traditional washing and cooking effect on dietary intake. *Bangladesh J Pharmacol*; vol 4: Bangladesh Pharmacological society, Dhaka; P 46-50.
13. **Md. Nurul Huda Bhuiyan**, Habibur Rahman Bhuiyan, K. K. Nath, Kabir Ahmed, Md. Tariqul Tassan and Md. Nazrul Islam Bhuiyan. 2009. Organochlorine insecticides (DDT and Heptachlor) in dry fish available in Bangladesh: seasonal trends and species variability. *J. Chil. Chem. Soc.* vol 54 (3): Chilean Chemical Society, Chili; P 278-281.  
<http://www.scielo.cl/pdf/jcchems/v54n3/INDICE.pdf>.
14. Maizbha Uddin Ahmed, Mohammad Safiqul Islam, Hasanuzzaman Shohag, Rubaba Karim, A.G.M. Mostafa, **Md. Nurul Huda Bhuiyan**, Matiur Rahim and Abul Hasnat. 2012. Comparative Pharmacokinetic and bioequivalence study of Azithromycin 500 mg tablet in Healthy Bangladeshi Volunteers. *International Journal of Clinical Pharmacology and Therapeutics*, Germany, 50 (6), P 452-58.
15. Tasmin Ara Sultana, Mohammad Safiqul Islam, **Md. Nurul Huda Bhuiyan**, Md. Hasanuzzaman Shohag, Maizbha Uddin Ahmed, Sultana Rajia Naznin, Abdullah Al Maruf, SM Imamul Huq and Abul Hasnat. 2011. Comparative Pharmacokinetic and Relative Bioavailability Study of Coated and Uncoated Azithromycin Powder for Suspension in Healthy Bangladeshi Male Volunteers. *Arzneimittelforschung/Drug Research*, Germany.61(10), P 594-98.
16. **Md. Nurul Huda Bhuiyan**, Habibur Rahman Bhuiyan, Matiur Rahim, Kabir Ahmed, K. M. Formuzul Haque, Md. Tariqul Hassan and Md. Nazrul Islam Bhuiyan. 2008, Screening of organochlorine insecticides (DDT and Heptachlor) in dry fish available in Bangladesh. *Bangladesh J Pharmacol*; vol 3, no 2: Bangladesh Pharmacological society, Dhaka; P 114-120.
17. **M. N. H. Bhuiyan**, M. T. Hassan, M. Begum, M. Ahsan and M. Rahim. 2013. Occurrence and seasonal trends of aflatoxin in rice, maize and wheat in Bangladesh. *Int. J. Sustain. Agril. Tech.* 9(8). G-Science Implementation and Publication, Dhaka. P 08-14.
18. **M. N. H. Bhuiyan**, B. K. Saha, M. T. Hassan, F. A. Lucky and M. Begum. 2008. Screening of organochlorine insecticides (DDT and Heptachlor) in dry fish collected from the processing zone of Bangladesh. *Int. J. of Ani. & Fis. Sci.*; Vol- 1, N0- 5. G-Science Implementation and Publication, Dhaka. P 98-103.
19. **M. N. H. Bhuiyan**, M. N. I. Bhuiyan, J. Begum, B. K. Saha, and M. Begum. 2008. Chemical investigation of essential oils of Lantana camara leaves and flowers occurring in Bangladesh. *Int. J. Sustain. Agril. Tech*; Vol-4, No-6. G-Science Implementation and Publication, Dhaka. P 1-5.
20. **M. N. H. Bhuiyan**, M. T. Hassan, M. Begum, M. Ahsan and M. Rahim. 2013. Effect of Neem (*Melia azadirachta L.*) leaf and Bishkatali (*Polygonum hydropiper L.*) root powder for decontamination and Calcium hydroxide for detoxification of aflatoxins in rice, maize and wheat. *J. Subtrop. Agric. Res. Dev.* 11 (2). G-Science Implementation and Publication, Dhaka. P 1056-1062.
21. Apu Ghosh, Md. Moshfekus Saleh-e-In, Mirza Md. Abu kawsar, Md. Aminul Ahsan, Md. Matiur Rahim, **Md. Nurul Huda Bhuiyan**, Sudhangshu Kumar Roy, Shamsun Naher. 2019. Characterization of quality and pharmacological assessment of Pimpinella anisum L. (Anise) seeds

- cultivars. *Journal of Food Measurement and Characterization*. Vol. 13: p. 2672–2685. DOI 10.1007/s11694-019-00188-3.
22. Mirza Md. Abu kawsar, Md. Moshfekus Saleh e In, Md. Aminul Ahsan, Md. Matiur Rahim, Md. Nurul Huda Bhuiyan, Sudhangshu Kumar Roy, Apu Ghosh, Shamsun Naher. 2018. Chemical, pharmacological and nutritional quality assessment of black pepper (*Piper nigrum* L.) seed cultivars. *J Food Biochem*. Volume 42: p. 1-21.
  23. Md Moshfekus Saleh-e-In, Nasim Sultana, Md Matiur Rahim, Md Aminul Ahsan, **Md Nurul Huda Bhuiyan**, Md Nur Hossain, Md Mahbubar Rahman, Sudhangshu Kumar Roy and Md Rabiul Islam. 2017. Chemical composition and pharmacological significance of *Anethum Sowa* L. Root. *BMC Complementary and Alternative Medicine*. 17:127.
  24. M. Anwar Hossain, M. Rahim, Rashad Chudhury, M. Tariqul Hassan, **M. Nurul Huda Bhuiyan**. 2016. Detection and quantification of melamine in milk powder by LC-MS/MS. *International Journal of Sustainable Agricultural Technology*; Vol.12, Issue 2, p 01-07.
  25. M. Matiur Rahim, M. Tariqul Hassan, **M. Nurul Huda Bhuiyan**, Maksuda Begum, M. Anwar Hossain. 2016. Development of method for the determination of Aflatoxin M1 in raw milk and milk powder by Liquid Chromatography Tandem mass Spectrometry (LCMSMS). *International Journal of Sustainable Agricultural Technology*; Vol.12, Issue 1, p 08-12.
  26. Katrun Nada, Jasim Uddin Chowdhury, **Md Nurul Huda Bhuiyan** and Matiur Rahim. 2014. Essential Oil Constituents from two types of *Psidium guajava* Leaves from Bangladesh. *International Journal of Green and Herbal Chemistry*. Vol. 3(4): p. 1384-1387.
  27. J. U. Chowdhury, **M. N. H. Bhuiyan**, G. C. Saha, K. Nada and M. Rahim. 2013. Compositions of the essential oils from two types of *ocimum basilicum* introduced in Bangladesh. *Bangladesh J. Sci. Ind. Res.* 48(3), BCSIR, Dhaka. P 217-220. (Short communication).
  28. J. U. Chowdhury, G. C. Shaha, F. Begum, **M. N. H. Bhuiyan** and M. Rahim. 2013. Essential oil composition from fresh and dried leaves of *C. tamala*. *Bangladesh J. Sci. Ind. Res.* 48(2), BCSIR, Dhaka. P 151-154.
  29. J. U. Chowdhury, J. Begum, M. N. I. Bhuiyan, F. A. Lucky and **M. N. H. Bhuiyan**. 2008. Composition of the leaf oils of *Clausena heptaphylla* and *Clausena suffruticosa*. *J. Subtrop. Agric. Res. Dev.* Vol-6, No- 5. G-Science Implementation and Publication, Dhaka. P 603-605. (Short communication).
  30. Md. Nazmul Haque, Barun Kanti Saha, Md. Rezaul Karim, **Md. Nurul Huda Bhuiyan**. 2009. Evaluation of Nutritional and Physico-Chemical Properties of Several Selected Fruits in Bangladesh. *Bangladesh J. Sci. Ind. Res.* 44(3), BCSIR, Dhaka. P 353-358.
  31. Md. Nazrul Islam Bhuiyan, Jaripa Begum, **Md. Nurul Huda Bhuiyan**. 2009. Analysis of essential oil of eaglewood tree (*Aquilaria agallocha* Roxb.) by gas chromatography mass spectrometry (GC-MS). *Bangladesh J Pharmacol*; vol 4: Bangladesh Pharmacological society, Dhaka; P 24-28.
  32. Md. Nazrul Islam Bhuiyan, **Md. Nurul Huda Bhuiyan**, Jasim Uddin Chowdhury, Sohel Samsuzzaman and Md. Alaul Azim. 2009. Constituents of the leaf and rhizome essential oil of *Alpinia zerumbet* (Pers.) B.L. Burt & R.M. Smith from Bangladesh. *Dhaka Univ. J. Biol. Sci.* vol 18(1): University of Dhaka, Dhaka. P 59-63.
  33. Barun Kanti Saha, **Md. Nurul Huda Bhuiyan**, Kishor Mazumder and K. M. Formuzul Haque. 2009. Hypoglycemic activity of *Lagerstroemia speciosa* L. (Jarul) leaves hot water extract on Streptozotocin-induced diabetic rats: Investigation of the underlying biochemical mechanism of action. *Bangladesh J Pharmacol*; vol 4: Bangladesh Pharmacological society, Dhaka; P 79-83.
  34. Shamsun Naher, Md. Mizanur Rahman, Shahin Aziz, S. M. Mahmudul Hasan, **Md. Nurul Huda Bhuiyan**, Md. Matiur Rahim, Aminul Ahsan. 2013. Comparative Studies on Physicochemical

properties and GC Analysis of Fatty Oil of the Two Varieties of the *Myristica fragrans* Houtt (Nutmeg) Seed. Int. J. Pharm. Phytopharmacol. Res.; India. 3 (2): P 80-82.

35. Sudam Nandi, Md. Moshfekus Saleh-e-In, Md. Matiur Rahim, **Md. Nurul Huda Bhuiyan**, Nasim Sultana, Md. Aminul Ahsan, Shamim Ahmed, Shajahan Siraj, Md. Zamilur Rahman, Sudhangshu Kumar Roy. 2013. Quality composition and biological significance of the Bangladeshi and china ginger (*zingiber officinale rosc.*). Journal of Microbiology Biotechnology and Food Sciences, Slovak University of Agriculture, Slovakia. 2 (5). P 2283-2290.

#### MS Thesis students

1. Most. Zakiya Islam. Determination Of Aflatoxins In Selected Crops And Their Processed Foods Availabe In Bangladesh. Shere Bangla Agricultural University.
2. Md. Amit Khan. Occurrence Of Antibiotic Residues In Poultry Feed And Chicken Meat With Risk Characterization. Shere Bangla Agricultural University.
3. Anika Tabassum. Risk Assessment of Aflatoxins on the shrimp Tissue and Feed of shrimp culture in the Coastal Bangladesh. University of Dhaka.
4. Mahmud Hassan. Tetracycline retention time in Koi fish (*Anabas testudineus*). University of Dhaka.
5. Jamila Khatun. Oxytetracycline retention time in Koi fish (*Anabas testudineus*). University of Dhaka.
6. Mohajira Begum. Chlortetracycline retention time in Koi fish (*Anabas testudineus*). University of Dhaka.
7. Mesbah Uddin. Pharmacokinetic and bioequivalence study of Azithromycin 500 mg tablet in Healthy Bangladeshi Volunteers. University of Dhaka.
8. Tasmin Ara Sultana. Pharmacokinetic and bioequivalence study of Azithromycin powder for suspension in Healthy Bangladeshi Volunteers. University of Dhaka.
9. Apu Ghosh. Characterization of quality and pharmacological assessment of *Pimpinella anisum* L. (Anise) seeds cultivars. Jahangirnagar University.
10. Mirza Md. Abu Kawsar. Chemical, pharmacological and nutritional quality assessment of black pepper (*Piper nigrum* L.) seed cultivars. Sylhet Veterinary University.
11. Md Moshfekus Saleh-e-In. Chemical composition and pharmacological significance of *Anethum Sowa* L. Root. Jahangirnagar University.
12. Md. Nazmul Haque. Evaluation of Nutritional and Physico-Chemical Properties of Several Selected Fruits in Bangladesh. Jahangirnagar University.
13. Kishor Mazumder. Hypoglycemic activity of *Lagerstroemia speciosa* L. (Jarul) leaves hot water extract on Streptozotocin-induced diabetic rats: Investigation of the underlying biochemical mechanism of action. Jahangirnagar University.
14. Shamsun Naher. Comparative Studies on Physicochemical properties and GC Analysis of Fatty Oil of the Two Varieties of the *Myristica fragrans* Houtt (Nutmeg) Seed. Jahangirnagar University.
15. Md. Anwar Hossain. Development of method for the determination of Aflatoxin M1 in raw milk and milk powder by Liquid Chromatography Tandem mass Spectrometry (LCMSMS). Sylhet Veterinary University.
16. Jahidul Islam. Aflatoxins rice, maize, and wheat. University of Dhaka.
17. Zunaed Siddiue. Aflatoxins ground nut available in open market. University of Dhaka.
18. Jahidul Islam. Aflatoxin M1 in raw milk in Savar region. University of Dhaka.