

Muhammed Aftab Uddin Ph.D.

Professor and Ex-Chairman

Department of Genetic Engineering and Biotechnology

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Education

Ph.D, Pharmaceutical Sciences, University of Tokyo, Japan, 1993

M.Sc. (thesis), Biochemistry, University of Dhaka, 1983 (held in 1987)

B.Sc. (Honours), Biochemistry, University of Dhaka, 1982 (held in 1984)

Special training:

1. Special course taken on RI Course form Tokyo University RI Centre in 1990.
2. Post-doctoral, University of Tohoku, Japan, 1999
3. The Rockefeller Foundation's International Program on Rice Biotechnology, 20-24 September 1999, Phuket, Thailand
4. Senior Management Programme on Managing Research Technology Organizations, 9-11 July 2012, Dhaka, Bangladesh.
5. Cornell University Workshop on Biotechnology for Food Security and Farmer Prosperity, 28-29 November 2012, Dhaka, Bangladesh.
6. Agricultural Biotechnology Support Project II (ABSP II) Training Program, 20-24 January 2013, Hyderabad, India.
7. (a) Visit to a Technology Based Incubator of Dr. Rajendra Kumar Saxena, Professor Department of Microbiology, University of Delhi South Campus, University of Delhi. 15-18 November 2012. (b) Visit to a Technology Based Research Laboratory of Prof. S. K. Sopory, Vice Chancellor Jawaharlal Nehru University, New Delhi. 15-18 November 2012.
8. Participant in 4th Next Generation Sequencing Asia Congress and 2nd Single Cell Genomics & Transcriptomics Asia Congress, Singapore, 7-8 October 2014.

Academic career from Matriculation/S.S.C. up to the highest degree

School/College/ University	Years attended		Name of the Examination	Division/Class & Place	Year
	From	To			
a. Duhushu BI High School, Dinajpur.	1966	1976	Secondary School Certificate	First Division	1976
b. Gov't Carmicheal College, Rangpur.	1976	1978	Higher Secondary Certificate	First Division	1978
c. University of Dhaka	1979	1982	Bachelor of Science with Honours in Biochemistry	First Class First position	Exam. held in 1984.
d. University of Dhaka	1982	1983	Master of Science in Biochemistry with Thesis	First Class First position	Exam. held in 1987.
e. University of Tokyo, Japan.	1989	1993	Doctor of Philosophy in Pharmaceutical Sciences	Excellent	1993
f. University of Tohoku, Japan	1999		Post-Doc. Level on "The molecular aspect of fertilization and early development"	Excellent	1999

Honors and Awards:

- Japanese Monbusho Scholarship, 1989.
- UNESCO Fellowship for Post-Doc. level, 1999
- Awarded University Undergraduate Scholarship for two Years (1979-1980) and (1980-1981) for obtaining highest number of marks in the first year Honours Examination.
- Awarded University Grants Commission Scholarship for one year for obtaining highest number of marks in the Faculty of Biological Sciences on the results of B.Sc. Honours Examination of 1982.
- **Awarded Saidur Rahman Foundation Scholarship for one year for obtaining highest number of marks and securing First Position in the Faculty of Biological Sciences on the results of B.Sc. Honours Examination of 1982.**
- Awarded Dhaka University Book Prize for obtaining First Position at the B.Sc. Honours Examination of 1982. Also, awarded the same at the M.Sc. Examination of 1983 for obtaining First Position.
- Awarded Janata Bank Book Prize for obtaining First Position at the B.Sc. Honours Examination of 1982.
- **Awarded "Chancellor Award" for First Position at the B.Sc. Honours Examination of 1982.**
- Awarded "Board Scholarship" with free tuition fees (Rajshahi Board) both in S.S.C. and H.S.C. on the basis of marks obtained in the examinations.
- HEQEP Project 2012
- UGC Project 2013
- Ministry of Science and Technology project 2012
- UGC Projects 2018, 2023

Research interests:

Enzymology, Insect defence mechanism, plant Biotechnology, Cancer research, Biochemistry of drugs and finding substance active against antibiotic resistance pathogens Such as MRSA, VRE, Shigella and others.

Position Held:

- Lecturer, Department of Biochemistry, University of Dhaka, October 1988 – July 1993
- Assistant Professor, Department of Biochemistry, University of Dhaka, July 1993 - May 24, 1998
- Associate Professor, Department of Biochemistry & Molecular Biology, University of Dhaka, May 25, 1998 - Feb. 2003.
- Adjunct Faculty of the Department of Pharmaceutical Technology, University of Dhaka, June 01, 2003 to May 31, 2015.
- Professor, Department of Biochemistry & Molecular Biology, University of Dhaka, February 2, 2003 - April 25, 2011.
- Chairman of the Department of Genetic Engineering and Biotechnology, University of Dhaka, August 2011 – August 2014.
- Professor (Grade 1) of Genetic Engineering and Biotechnology, University of Dhaka, April 26, 2011 to till date.

Other Positions: In terms of administration

Member of Governing bodies of different Medical colleges.

Member of Lecturer-Assistant Prof. Selection board of the Dept. of GEB, Jhangir Nagar University.

Member of Lecturer-Assistant Prof. Selection board of the Dept. of Biotechnology and Genetic Engineering, MVUST. 2008 - 2015.

Member of Teacher Selection board of Brac University. Member of Teacher Selection board of EWU.

Member of Syllabus committee of GEB of NSU Member of Syllabus committee of GEB EWU Member of committee of courses of the Dept. of Biotechnology & Genetic Engineering, Islamic University, BD.

Member, Dhaka University Academic Council, 1996 to 1998.

Member of University Parisad, 2016-2017.

Attached House Tutor: Shahidullah Hall, D.U

House Tutor: A. F. Rahman Hall, D.U. Since 17-07-1994 to 16-07-2004.

Provost Sir A. F. Rahman Hall D.U. August (10-08-2015) 2015 to (04-02-2018) 2018.

Senate member, University of Dhaka. 2016 to 2019.

Advisory Member of forensic DNA profiling laboratory, Government of the People's Republic of Bangladesh 2016 to till date.

President's (Government of the People's Republic of Bangladesh) nominee of Professor and Associate professor selection board in the Department of Food & Nutrition Technology, Islamic University, Kustia BD. 2016-2018

President's (Government of the People's Republic of Bangladesh) nominee of Professor and Associate professor Selection board in the Department of Biotechnology and Genetic Engineering, MVUST, 2015-2017.
Member of National Biotechnology Technical Committee (Government of the People's Republic of Bangladesh), From 21 July, 2016 to till date.

Member of reputed Institution/Organisation/Association.

1. Joint Secretary of Bangladesh Biochemical Society 1996-1998.
2. Life member of Bangladesh Society for Biochemistry and Molecular Biology (BSBMB)
3. Member of Bangladesh Association for Advancement of Science (BAAS).
4. Member of Society for Pharmaceutical Chemist (SPC).
5. Life member of Graduate Biochemist Association (GBA)

Publications:

Original Research Article:

1. Khan, N.H., M. Aftab Uddin, M. Rahman, M.K. Rahman, and M.S.A. Nur-E-Kamal, 1989. Antibacterial Activities of Plant Extracts. Part IV. Biological Studies on the Extract of *Euphorbia thymifolia* Linn. Dhaka University Studies, Part E, 4(11): 17-26, January.
2. Md. Khalilur Rahman, Md. Altaf Hossain Sarker, and Md. Aftab Uddin, 1990. Dipeptidyl- Aminopeptidase IV Activity in Central and Peripheral Tissues and Serum of Healthy and Malnourished Rats. The Dhaka University Studies. Part E. 5(1): 1-5, January.
3. M. Aftab Uddin and Nasreen Jahan, 1995. Agarase activity in the jute yellow mites extract and some of its properties. Dhaka Univ. J. Biol. Sci. 4(2):145-152, July.
4. Harun K.M. Yusuf, Kamrul Hoque, M. Aftab Uddin, Badal C. Roy, and Fernand Lambein, 1995. Homoarginine antagonizes the toxicity of Lathyrus toxin in 1-day-old chicks. Bang. J. Physiol. Pharmacol. Vol. 10, No. 2: 7475, January.
5. M. Aftab Uddin, P.M. Dastogir, Zeba I. Seraj, and M. M. Rahman, 1996. Xylanase activity in the termite extract. Published in the Abstract of Papers of Bangladesh Association for the Advancement of Science (BAAS). Nineteenth Bangladesh Science Conference, Section II. 29-31, October 1996.
6. M. Aftab Uddin, M. Nazmul Huda, and N. Hoque Khan, 1997. High-performance liquid chromatographic (HPLC) determination of diosbulbin D and 8-epidiosbulbin E acetate in *Dioscorea bulbifera* tubers. Bangladesh Journal of Biochemistry. 2(2): 95-101.
7. A. S. Shamsur Rouf, Biplob K. Mitra, Joydev K. Kundu and Md. Aftab Uddin. 1999. Cytotoxic and antibacterial activity of *Solanum xanthocarpum*. The Dhaka University Journal of Biological Sciences. 8(1): 73-77.
8. A.S. Shamsur Rouf, Biplob K. Mitra, Joydev K. Kundu and Md. Aftab Uddin. 1997. Cardioactive and Antipyretic activity of *Solanum xanthocarpum*. Bangladesh Journal of Biochemistry. 3(2): 69-74.
9. Md. Iqbal Hassan Khan, M. Aftab Uddin, Md. Abdul Malek and Md. Majibur Rahman. 1998. Purification and Characterization of extracellular β -1,3-glucanase of *Saccharomyces cerevisiae* DSM 2155. Bangladesh Journal of Microbiology. 15: (1), 15-23.
10. Md. Ali Asgar and Md. Aftab Uddin. 1998. Isolation and characterization of two lectin fraction from the seeds of Horse Gram (*Dolichos biflorus*). The Dhaka University Journal of Biological Sciences, 7(2):171-177.
11. Joydeb K. Kundu, Abu Shara S. Rouf, Md. Nazmul Hossain and M. Aftab Uddin. 1999. Antitumor activity of *Vitis trifolia* Linn. (Family-vitaceae). Bangladesh Journal of Biochemistry. 5: 43-48.

12. Muktadir Shahid Hossain, M. Aftab Uddin, A. Rashid Gomosta and M. Anwar Hossain. 2000. Effects of ethylene on some submergence-tolerant and susceptible rice (*Oryza sativa* L.) varieties of Bangladesh. Bangladesh Journal of Biochemistry. 6: 1-17.
13. Nilufer Jesmin Khan, M. Aftab Uddin and Sharif Akhteruzzaman. 2000. Purification and characterization of endoglucanase (1,4-beta-D-glucan glucanhydrolase) from *Microcero termis*. Bangladesh Journal of Biochemistry.6: 31- 43.
14. Sharif Akhteruzzaman, Md. Aftab Uddin and Sitesh Chandra Bachar. 2002. Isolation and Identification of a Triterpenoid from *Euphorbia thymifolia*. Dhaka Univ. J Pharm. Sci. 1(1-2): 43-46, 2002.
15. Mohammad Shaphiullah, Sitesh Chandra Bachar, Joydeb Kumar Kundu, Farida Begum, M. Aftab Uddin, Suvash Chandra Roy and Mohammad Tareq Hossain Khan. 2003. Antidiarrheal Activity of the Methanol Extract of *Ludwigia hyssopifolia* Linn. Pakistan Journal of Pharmaceutical Sciences. Vol. 16, No.1, pp.7-11. 2003.
16. M. Abdullahhel Amin, M. Aftab Uddin and M. Anwar Hossain. 2003. Regeneration Study of some Indica Rice Cultivars Followed by Agrobacterium-Mediated Transformation of Highly Regenerable Cultivar, BR-8. Journal of Biological Sciences 4 (2): 207-211, 2004.
17. Mohammed Rahamatullah, Keshab K. Adhikary, Tahera Sultana, A.H.M. Zulfiquar Ali, M. Aftab Uddin, A.B.M. Faroque, M. Selim Rahman, N. Hasan, Rownak Jahan. 2006. Food Additives and Food Colors- A Bangladesh Perspective. The University of Development Alternative (UODA) Studies -a Journal. 2(1): 79-194, April, 2006.
18. Rawnak Jahan, Keshab K. Adhikari, Sazzadul Bari, A.B.M. Anwarul Bashar, M. Aftab Uddin and Mohammed Rahmatullah. 2006. An Ethanobotanical Survey of Lupeol Containing Medicinal Plants Belonging to the same Genera. UODA Studies –a scientific journal. 2(2): 43-108, December 2006.
19. Banibrata Das, Juthika Kundu, Sitesh Chandra Bachar, Mohammad Aftab Uddin and Joydeb Kumar Kundu. 2007. Antitumor and Antibacterial Activity of Ethylacetate Extract of *Ludwigia hyssopifolia* Linn And its Active Principle Piperine. Pak. J. Pharm. Sci., 2007, Vol.20(2), 128-131.
20. Muhammad Maqsud Hossain, M Aftab Uddin, M Abdul Malek, SAM Khairul Bashar, Parvin Noor, M Majibur Rahman. 2008. Production of Extracellular Xylanase from Intestinal Bacteria in Termite. Bangladesh J Microbiol, Volume 25, Number 2, December 2008, pp 123-127. Available online at <http://dx.doi.org/10.3329/bjm.v25i2.4874>
21. Sajal Kumar Saha, Sreedam Chandra Das, Abdullah-Al-Emran, Mithun Sarker, Md Aftab Uddin, A.K. Azad Chowdhury, and Sitesh Chandra Bachar. 2012. Biochemical alterations and liver toxicity analysis with pioglitazone in healthy subjects. Drug and Chemical Toxicology Apr 2013, Vol. 36, No. 2: 149–154. Read More: <file:///H:/News%20paper/Informa%20Healthcare.htm>
22. Sajal Kumar Saha, A. K. Azad Chowdhury, Sitesh Chandra Bachar, Sreedam Chandra Das, Ruhul H. Kuddus, Md Aftab Uddin.2013. Comparative in vitro-in vivo correlation analysis with pioglitazone tablets. Asian Pac J Trop Dis 2013; 3(6): 487-491.
23. Dilshad Noor Lira, Md. Aftab Uddin, Mohi Uddin, Abu Shara Shamsur Rouf. 2014. Assessment of cytotoxic activities of *Phyllanthus amarus* and *Monstera deliciosa*. Journal of Applied Pharmaceutical Science Vol. 4 (07), pp. 110-113. Available online at <http://www.japsonline.com>. DOI: 10.7324/JAPS.2014.40719
24. Miraj Kobad Chowdhury, M Moniruzzaman, Abdullah Al Emran, Mohammad Golam Mostafa, Ruhul H Kuddus1, M Aftab Uddin. 2015. TP53 Codon 72 Polymorphisms and Lung Cancer Risk in the Bangladeshi Population. Asian Pac J Cancer Prev, Volume 16, Issue 8, 2015, pp.3493-3498. DOI:10.7314/APJCP.2015.16.8.3493
25. Wardatul Jannat Anamika, Miraj Kobad Chowdhury, Md. Ausrafuggaman Nahid, Abu Shara Shamsur Rouf and M Aftab Uddin. 2015. Chemical and Biological investigation of the ethyl acetate extracts of *Drynaria quercifolia* tuber and leaf. [Dhaka University Journal of Biological Sciences](#) 24(2):147-152, July 2015. DOI: [10.3329/dujbs.v24i2.46321](http://dx.doi.org/10.3329/dujbs.v24i2.46321)

26. B K Sajeeb, Uttom Kumar, A S S Rouf, Md Aftab Uddin & Sitesh C Bachar. 2015. Evaluation of *Justicia adhatoda* L. syn. *Adhatoda vasica* Nees extract by major metabolite analysis. Indian Journal of Traditional Knowledge Vol. 14(4), October 2015, pp. 637-642.
27. Saadlee Shehreen , Ruhul H. Kuddus and Md. Aftab Uddin. 2015. Prevalence and Diversity of Coliphages in Dhaka, Bangladesh and Their Lytic Potentials against Pathogenic Bacteria. British Microbiology Research Journal 10(3): 1-11, 2015, Article no. BMRJ.20392. SCIENCE DOMAIN international. www.sciencedomain.or
28. Sajib, A. A., Yeasmin, S., Akter, M., Uddin, M. A., Akhteruzzaman, S. 2016. Phylogenetic analysis of Bangladeshi population with reference to D1S80 VNTR locus. Biores Comm. 2(1), 146-151.
29. Das A, Rahman MI, Ferdous AS, Amin A, Rahman MM, Nahar N, Md. Aftab Uddin, Mohammad Riazul Islam, Haseena Khan (2017). An endophytic *Basidiomycete*, *Grammothele lineata*, isolated from *Corchorus olitorius*, produces paclitaxel that shows cytotoxicity. PLoS ONE 12(6): e0178612. <https://doi.org/10.1371/journal.pone.0178612>, June 21, 2017.
30. Md. Miraj Kobad Chowdhury, Md. Jakir Hossain, M Aftab Uddin. 2017. Cataractostatic Activity of *Drynaria quercifolia* Tuber Extract. Biores Comm. 3(2), 403-406. Volume 3, Issue 2, July 2017. Citation: Chowdhury M. K.,Hossain J., Uddin A. 2017.Cataractostatic Activity of *Drynaria quercifolia* Tuber Extract.BioresComm. 3(2), 411-414
31. [Md. Jakir Hossain](#), [Abira Khan](#), [Muhammed Aftab Uddin](#). 2019. Antimicrobial Efficacy and Phytochemical Analysis of Three Aquatic Plant Species in Bangladesh. January 2019. [Bangladesh Journal of Microbiology](#) 35(1):7-11. DOI: [10.3329/bjm.v35i1.39797](https://doi.org/10.3329/bjm.v35i1.39797).
32. Fariba, M. H., Sami, A. B., Bhattacharjee, D., Saha, S. K., Bachar, S. C., Uddin, M. A., & Kuddus, R. H. (2018). Change in Antibiotic Susceptibility Pattern of Clinical Bacterial Isolates from Two Hospitals in Dhaka, Bangladesh over a Period of Three Years. *Microbiology Research Journal International*, 22(6), 1–10. <https://doi.org/10.9734/MRJI/2017/39626>.
33. H A Reza , W J Anamika, M G Mostafa, M K Chowdhury, M A Uddin. 2020. MDM2 SNP 285 is Associated with Reduced Lung Cancer Risk in Bangladeshi Population. 2019. Mymensingh Med J. 2020 Jan;29(1):108-114. Mymensingh Med J. 2020 Jan;29(1):108-114. PMID: 31915345.
34. Reza HA, Anamika WJ, Chowdhury MMK, Mostafa MG, Uddin MA.. 2020. [A cohort study on the association of MDM2 SNP309 with lung cancer risk in Bangladeshi population](#). Korean J Intern Med. 2020 May;35(3):672-681. doi: 10.3904/kjim.2018.125. Epub 2020 Apr 29. Korean J Intern Med. 2020 May;35(3):672-681. doi: 10.3904/kjim.2018.125. Epub 2020 Apr 29. PMID: 32392664.
35. M. Aftab Uddin, Shammi Akter, Mahbuba Ferdous, Badrul Haidar, Al Amin, A. H. M. Shofiul Islam Molla, Haseena Khan & Mohammad Riazul Islam. 2021. A plant endophyte *Staphylococcus hominis* strain MBL_AB63 produces a novel lantibiotic, homicorcin and a position one variant. [www.nature.com/scientificreports](https://doi.org/10.1038/s41598-021-90613-9). *Sci Rep* **11**, 11211 (2021). <https://doi.org/10.1038/s41598-021-90613-9>
36. [A Khan](#), [S Akter](#), [M A Uddin](#). 2023. Detection and Primary Analysis of Antibacterial Activity in the Ethyl Acetate Extract of *Lantana camara* L. Leaves. Mymensingh Med J. 2023 Apr;32(2):378-385. PMID: 37002748
37. Mamtaz Farzana, Md. Jamal Hossain, Ahmed M. El-Shehawi, Mohammad Sharifur Rahman, Muhammad Abdullah Al-Mansur, Sarah Albogami, Mona M. Elseehy, Arpita Roy, M. Aftab Uddin and Mohammad A. Rashid. 2022. Phenolic Constituents from *Wendlandia tinctoria* var. *grandis* (Roxb.) DC. Stem Deciphering Pharmacological Potentials against Oxidation, Hyperglycemia, and Diarrhea: Phyto-Pharmacological and Computational Approaches. *Molecules* 2022, **27**, 5957. <https://doi.org/10.3390/molecules27185957>
38. Abu Sayeed Mohammad Mahmud, Mohammad Samir Uzzaman, Eshrar Osman, Hossain Uddin Shekhar, M. Aftab Uddin, Md. Bayejid Hosen, Eunus Ali, Md. Ahashan Habib, Shahina Akter, Tanjina Akhter Banu, Md. Murshed Hasan Sarkar, Barna Goswami, Iffat Jahan, Md. Saddam Hossain, Utpal Chandra Ray, Salek Ahmed

Sajib, Md. Salim Khan. 2020. **Virus name:** hCoV-19/Bangladesh/BCSIR-DU-16/2020. **Accession ID:** EPI_ISL_514253.1. **Type:** betacoronavirus. **Originating lab:** Advanced Biotechnology Laboratory
Address: Department of Genetic Engineering and Biotechnology, Dhaka University
Sample ID given by the originating laboratory: C79810
Submission Date: 2020-08-15. Address: **Genomic Research Lab, BCSIR**

39. Mirza Ashikul Beg, Sumaiya Binte Hannan, Rabeya, Shafi Ahmad Talukder, **Aftab Uddin**, Shammi Akter, Rifath Nehleen Reza, Haseena Khan and Mohammad Riazul Islam. 2023. Jute endophyte *Grammothele lineata* SDL-CO-2015-1 produces an anticancer compound epothilone B. J. Bangladesh Acad. Sci. 47(1); 91-99: June 2023. DOI: <https://doi.org/10.3329/jbas.v47i1.65129>.

Abstract/Conference Proceedings:

1. Aftab Uddin, M., Rahman, M.K., and Naved, A.F., 1989. Effect of *Lathyrus sativus* on Aromatic L-Amino acid Decarboxylase in the Central and Peripheral Tissues of Guinea-Pigs. Published in the Abstracts of Paper of Bangladesh Association for the Advancement of Science. Fourteenth Annual Bangladesh Science Conference, Section VI. 27-30, January.
2. M. Khalilur Rahman, M. A. Hossain Sarker, M. Aftab Uddin and Apala F. Naved, 1993. Effect of *Lathyrus sativus* and Vitmin C on the activities of aromatic L-amino acid decarboxylase and dipeptidyl aminopeptidase-IV in the central and peripheral tissues and serum of guinea pigs. In *Lathyrus sativus* and Human Lathyrism: Progress and Prospects (Yusuf H.K.M., Lambein F., eds.). Proc. 2nd Int. Colloq. Lathyrus/Lathyrism. Dhaka, 1012 December, 1993. University of Dhaka, pp. 237-241.
3. Harun K. M. Yusuf, M. Kamrul Haque, M. Aftab Uddin, Badal C. Roy, Zakaria Shamim, M. Salim Hossain and Fernand Lambein, 1997. Mechanism of ODAP toxicity in one-day-old chicks. In Proceedings of International Meeting on Molecular Mechanisms of Toxicity (Eds. C.Subramanyam and Surya S.Shingh) Osmania University, Hyderabad, India, pp. 16-22.
4. M. Khalilur Rahman, M. Altaf Hossain Sarker, and M. Aftab Uddin, 1993. Dipeptidyl-aminopeptidase IV activity in central and peripheral tissues and in serum of healthy and malnourished rats. Published in the Abstract of Papers of nutrition Society of Bangladesh. Sixth Bangladesh Nutrition Conference, Section : Clinical Nutrition. 27-29, November.
5. Harun K.M. Yusuf, Kamrul Hoque, M. Aftab Uddin, Badal C. Roy, and Fernand Lambein, 1995. Homoarginine antagonizes the toxicity of Lathyrus toxin in 1-day-old chicks. Bang. J. Physiol. Pharmacol. Vol. 10, No. 2: 74-75, January.
6. M. Anwar Hossain, M. Aftab Uddin, M. Nazmul Huda, Noorain Munim, Renzinz Fatema, M. Motarrob Hossain M. Nasreen, K. Reaz Fattah, Farzana Jahan and A. Rashid Gomosta. 1997. Submergence-tolerance in some rice (*Oryza sativa* L.) varieties of Bangladesh. Published in "General Meeting of The International Program on Rice Biotechnology, September 15-19; Malacca, Malaysia." PP.157.
7. M.A. Hossain, M.A. Uddin, M.N. Huda, N. Munim, M. Nasreen, F. Jahan, R. Fattah and A.R. Gomosta. 1998. Towards developing submergence tolerance in rice. In: Larkin PJ (ed.) Agricultural Biotechnology: Laboratory, Field and Market. Proceedings of the 4th Asia-Pacific conference on Agricultural Biotechnology. Darwin 13-16 July 1998. Canberra, UTC Publishing. pp. 213-215.
8. M. Aftab Uddin, Abdullah H. Amin, Sanjeeda Ahmed, M. Shahidul Islam, Monwar Aziz, M. Anwar Hossain and A. Rashid Gomosta. 1999. Some biochemical aspects of submergence-tolerance in local Bangladesh rice varieties. In "General meeting of the International program on rice biotechnology abstracts." Phuket, Thailand. September 20-24, 1999. pp. 375.
9. Dr. Md. Aftab Uddin. (October 22-24, 2012). Association of tumor suppressor p53 gene Arg72Pro polymorphism with lung cancer and control subjects in Bangladeshi population. Volume 6, Supplement, October 2012. Japan-China Joint Medical Workshop 2012 on Drug Discovering and Therapeutics—New Perspectives in Cancer Prevention, Diagnosis, Treatments, and Drug Discoveries. Sanjo Conference Hall, the University of Tokyo, Japan. Session II Drug Discoveries: therapeutic targets and pre-clinical study SL. No. 40 Association of tumor suppressor p53 gene Arg72Pro polymorphism with lung cancer and control subjects in Bangladeshi

population Md. Aftab Uddin: www.ddtjournal.com Drug Discoveries & Therapeutics. 2012; 6(Supplement):1-65. Page 40.

10. Isolation and Characterization of *Bacillus thuringiensis* SW_R_F_1 from Flacherie Diseased Silkworm Larvae Arafat Rahman · Shakila Sultana · Md. Aftab Uddin · M. Abdul Malek · Munawar Sultana · M Anwar Hossain 1st BSM International Conference, DECEMBER 2015, At Nabab Nawab Ali Chowdhury Senate Hall, University of Dhaka.

11. Hassan Al Reza, Wardatul Jannat Anamika, Md. Miraj Kobad Chowdhury, Mohammed Golam Mostofa and Md. Aftab Uddin. (September 12-14, 2017). The Effect of Human MDM2 SNPs on Lung Cancer Risk in Bangladeshi Population. International Conference Korean Society for Molecular and Cellular Biology (KSMCB). www.ksmcb.or.kr. O-83.

Other Related Works

12. Two years research experience as an M. Sc. Thesis student under the supervision of Dr. N. H. Khan, Professor, Department of Biochemistry, University of Dhaka.

13. More than one year (Sept. 1987 to Sept. 1988) as a Research Fellow in UGC project under the supervision of Dr. Khalilur Rahman, Professor, Department of Biochemistry & Molecular Biology, University of Dhaka.

14. Four years research experience as a Ph.D. student under the supervision of Dr. Shunji Natori, Professor, Department of Microbial Chemistry, Faculty of Pharmaceutical Sciences, University of Tokyo, Japan.

15. Supervision of M. Sc. Thesis students from 1993 to 2011, in the Department of Biochemistry & Molecular Biology, University of Dhaka.

16. Supervision of M.S. and Ph.D. students supervision in the Department of Genetic Engineering and Biotechnology from 2011 to till date.

17. Two years (1998 to 2000) working as Research Associate in The Rockefeller Foundation project in developing flood tolerance rice under the supervision of Dr. M. Anwar Hossain, Professor, Department of Biochemistry & Molecular Biology, University of Dhaka.

18. Key Note Speaker in the **International Conference on Science and Technology for Celebrating the Birth Centenary of Bangabandhu (ICSTB-2021)**; March 11-13, 2021 BCSIR, Dhaka, Bangladesh

Theme: A road map to the purification of multiple variants of a novel lantibiotics homiocorcin.

19. Key Note Speaker in the **International Conference on environmental protection for sustainable development (ICEPSD-2022)**.

Theme: Green Bangladesh Prosperous Bangladesh. **Title:** Towards the discovery of a new antibacterial peptide-A novel lasso peptide. September 2-4, 2022 University of Dhaka, Dhaka, Bangladesh

20. Key Note Speaker in the Bangladesh Council of Scientific and Industrial Research (BCSIR) Congress - 2022; KN-K5. December 01-03, Dhaka, Bangladesh.

Theme: The Arsenal beauty of microbes for new antibiotics.

21. Harun K.M. Yusuf, M. Kamrul Haque, M. Aftab Uddin, Badal C. Roy and Fernand Lambein. 1995. Homoarginine antagonizes the toxicity of Lathyrus sativus toxin in one-day-old chicks. Lathyrus and lathyrism, a decade of progress. Proceedings of an international conference. Addis Ababa, Ethiopia, (Eds. Redda Tekle Haimanot and Fernand Lambein), University of Addis Ababa, Ethiopia and University of Ghent, Belgium, pp.1518. November 27-29.

Thesis:

1. M.Sc. THESIS : "Antibacterial Agents from Euphorbia thymifolia Linn." Accepted by the University of Dhaka in partial fulfillment of the requirement for the degree of Master of Science in Biochemistry.

2. Ph. D. THESIS : "Purification and Characterization of a Candidacidal substance from the Hemolymph of Sarcophaga peregrina Larvae". Accepted by the University of Tokyo, Japan in partial fulfillment of the requirement for the degree of Doctor of Philosophy in Pharmaceutical Sciences. Published in Tokyo University Ph.D. Profile book. 1992, December, 24-26. pp.25-27.

Books:

1. Discovering Biochemical Sciences: A Laboratory Manual. By Ruhul Kuddus, Aftab Uddin, S.M. Mahbubur Rashid. 2013.

Peer Reviewer:

1. PLOS ONE:

a. Citation: (2016) PLOS ONE 2015 Reviewer Thank You. PLoS ONE 11(2): e0150341. doi:10.1371/journal.pone.0150341. Received: February 11, 2016; Published: February 23, 2016.

b. Citation: (2015) PLOS ONE 2014 Reviewer Thank You. PLoS ONE 10(2): e0121093. doi:10.1371/journal.pone.0121093. Published: February 27, 2015

2. The Dhaka University Journal of Biological Sciences: ISSN: 1021-2787. Member of Editorial Board during the period: July 2011- June 2013.

Newspaper Articles

1. **Aftab Uddin M**, Kuddus Ruhul. Biosafety and biosecurity: Threats from biological agents (an essay in the Science and Life section), Daily Star, Dhaka, Bangladesh, September 6, 2011.

<http://www.thedailystar.net/newDesign/news-details.php?nid=201235>.

Countries Visited: JAPAN; THAILAND; SINGAPORE, INDIA, PAKISTAN, MALAYSIA, and SOUTH KORIA

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