

# CURRICULUM VITAE



## PERSONAL INFORMATION

Name	<b>DR. MOHAMMAD DALOWER HOSSAIN PRODHAN</b>
Address	Pesticide Analytical Laboratory, Entomology Division Bangladesh Agricultural Research Institute, Gazipur-1701
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E-mail	dalowerag@yahoo.com; <a href="mailto:mdhprodhan@gmail.com">mdhprodhan@gmail.com</a>
Nationality	Bangladesh
Date of birth	2 nd October 1976
Marital Status	Married

## WORK EXPERIENCE

Dates (from – to)	<b>2004 to till today</b>
Name and address of employer	Director General, Bangladesh Agricultural Research Institute (BARI), Gazipur, Bangladesh.
Type of business or sector	Research Institute
Occupation or position held	<b>Senior Scientific Officer and Quality Manager</b>
Main activities and responsibilities	<p>Development and validation of new analytical method for the determination of pesticides in a wide range of matrices like fruits, vegetables, fish, dry fish, shrimp, tea, tobacco, water, soil etc. using GC, GC-MS, HPLC and LC-MS/MS.</p> <p>Serve as a Quality manager of the laboratory (ISO/IEC:17025 Certified) to maintain the quality of laboratory as per ISO/IEC:17025.</p> <p>Conduct training programme for Good Laboratory Practice; Preparation of Quality Manual; Handling of HPLC, GC, GC-MS and LC-MS/MS for pesticide residue, aflatoxin analysis; Sample preparation techniques; method validation; safe and judicial use of pesticides, etc.</p> <p>Supervise Scientific Officer, Scientific Assistant, Laboratory Technician, and Laboratory Attendant for performing the test and other activities in complaint with ISO/IEC:17025.</p> <p>Collection of different food matrices from different areas of</p>

	<p>Bangladesh following the guidelines as per ISO/IEC:17025.</p> <p>Analyzing the samples of fish, dry fish, shrimp, tea, tobacco, water, fruits, vegetables, honey etc. for the quantification of pesticide residues and other contaminants provided by the customers and provide them certificates.</p> <p>Mycotoxin analysis.</p>
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### Education and Training

Dates	2011-2015
Title of qualification awarded	<b>PhD in Pesticide Science</b>
Principal subjects / occupational skills covered	Pesticide Biochemistry & Advanced Toxicology Thesis: Variability of pesticide residues in medium and large sized vegetable crop units.
Name and type of organisation providing education and training	Aristotle University of Thessaloniki, Greece

Dates	2001-2002
Title of qualification awarded	<b>Master of Science in Entomology</b>
Result	<b>First Class (76.56%)</b>
Principal subjects / occupational skills covered	Insect Taxonomy, Insect Physiology, Insect Ecology, Pesticide Management, Insect Nutrition & Biochemistry, Insect Pest Management, Insect Pathology, Insecticide Toxicology, Industrial Entomology. <b>Thesis:</b> Studies on the Resistance of Some Brinjal Varieties/Lines to Brinjal Shoot and Fruit Borer ( <i>Leucinodes orbonalis</i> Guenee) and its Relation to Chemical and Anatomical Characters of Plant.
Name and type of organisation providing education and training	Bangladesh Agricultural University, Mymensingh, Bangladesh

Dates	1994-2001
Title of qualification awarded	<b>Bachelor of Agriculture</b>
Result	<b>First Class (61.86%)</b>
Principal subjects / occupational skills covered	Agronomy, Soil Science, Horticulture, Agricultural Chemistry, Chemistry, Bio-chemistry, Farm-Mechanics, Animal Husbandry, Agricultural Economics, Rural Sociology, Entomology, Plant Pathology, Genetics & Plant Breeding, Agricultural Extension & Education, Crop- Botany, Agricultural Statistics, Agro forestry.
Name and type of organisation providing education and training	Sher-E-Bangla Agricultural University, Dhaka, Bangladesh.

Dates	1991-1993
Title of qualification awarded	<b>Higher Secondary Certificate (H.S.C)</b>
Result	<b>First division (75.30% marks)</b>
Principal subjects / occupational skills covered	Physics, Chemistry, Mathematics, Biology, English Literature
Name and type of organisation providing education and training	Kabi Nazrul Govt. College, Dhaka, Bangladesh.

Dates	1986-1991
Title of qualification awarded	<b>Secondary Secondary Certificate (S.S.C)</b>
Result	<b>First division (71.20% marks)</b>
Principal subjects / occupational skills covered	General Science Subjects.
Name and type of organisation providing education and training	Bawany High School, Demra, Dhaka.

<b>TRAINING RECEIVED</b>		
<b>Country and Year</b>	<b>Course /Training Name</b>	<b>TRAINING INSTITUTION AND COURSE DURATION</b>
York, UK (2009)	Pesticide residue and Crystal Violate Analysis.	Food and Environment Research Agency, York. Duration: 6-17 July
Germany (2009)	Training on “MycotUM’09” Aflatoxins and Ochratoxin A Analysis.	Technical University of Munich. Duration: 3-14 August
Bangladesh (2009)	Training on Preparation Laboratories for Accreditation based on ISO/IEC 17025	BSTI, Dhaka Duration: 10-14 May
Bangladesh (2008)	Training on Research Methodology	GTI, BAU Duration: 1-13 November
Bangladesh (2008)	Training on Transgenic Crops	BARI, Gazipur Duration: 12-13 October
Bangladesh (2008)	Regulation and Monitoring of Confined Field Trials of Genetically Engineered Plants in Bangladesh	BARC, Dhaka Duration: 30-31 August
Bangladesh (2008)	Training on Laboratory Manager and Laboratory Assessor as per ISO/IEC 17025	BSTI, Dhaka Duration: 06-17 July
Bangladesh (2008)	Training on Shimadju GC & its Application on Pesticide Residue Analysis.	BARI, Gazipur Duration: 01-05 June
Bangladesh (2008)	Training on Shimadju GCMS & its Application on Pesticide Residue Analysis.	BARI, Gazipur Duration: 06-10 January
Bangladesh	Safe Use of Pesticides in Agriculture	BARC, Dhaka

(2007)		Duration: 24-25 October
Bangladesh (2007)	Training on Shimadzu HPLC & its Application on Pesticide Residue Analysis.	BARI, Gazipur Duration: 10-14 June

## NAME OF PUBLICATION/JOURNAL/CONFERENCE PROCEEDINGS

### 1. Articles published in International Journal

Year	Topic	Name of Publication/Journal/Conference Proceedings	Author Name/Names
2016	Variability of pesticide residues in cauliflower units collected from a field trial, and market places in Greece	J. Environ. Sci. Health, Part B., 51 (9): 644-653.	<b>M.D.H.Prodhan,</b> Emmanouil N. Papadakis and Euphemia Papadopoulou Mourkidou.
2016	Analysis of pesticide residues and their variability in cabbage using QuEChERS extraction in combination with LC-MS/MS.	Food Anal. Methods, 9, 3470-3478.	<b>M.D.H.Prodhan,</b> Emmanouil N. Papadakis and Euphemia Papadopoulou Mourkidou.
2015	Determination of multiple pesticide residues in eggplant with liquid chromatography-mass spectrometry.	Food Anal. Methods, 8, 229-235.	<b>M.D.H.Prodhan,</b> Emmanouil N. Papadakis and Euphemia Papadopoulou Mourkidou.
2015	Analysis of pesticide residues in melon using QuEChERS extraction and liquid chromatography triple quadrupole mass spectrometry.	Intern. J. Environ. Anal. Chem., 95 (13): 1219-1229.	<b>M.D.H.Prodhan,</b> Emmanouil N. Papadakis and Euphemia Papadopoulou Mourkidou.
2007	Genetic diversity in cauliflower (Brassica oleracea L. var. botrytis).	Indian J. Hort.	A.K.M. Quamruzzaman, M.M. Rahman, M. Nazim Uddin, M.A.Siddiky and <b>M.D.H. Prodhan.</b>

### 2. International Conference Proceedings

Year	Topic	Name of Publication/Journal/Conference Proceedings	Author Name/Names
2014	Analysis of multiple pesticide residues in melon using liquid chromatography triple quadrupole mass spectrometry.	8th European conference on Pesticides and related organic micropollutants in the environment and 14th symposium on chemistry and fate of modern pesticides	<b>M.D.H.Prodhan,</b> Emmanouil N. Papadakis and Euphemia Papadopoulou Mourkidou

### 3. Articles published in national level journals/souvenirs

Year	Topic	Name of Publication/Journal /Conference Proceedings	Author Name/Names
2010	Pesticide Residues in Fish Samples Collected From Different Fish Cultivation Regions Of Bangladesh.	SAARC J. Agri.,	<b>M.D.H.Prodhan</b> , M.A. Rahman, M.S. Ahmed and K.H. Kabir.
2009	Quantification of Organophosphorus and Organochlorine insecticide residues from fish samples using simple GC technique.	Bangladesh J. Agriculturist.	<b>M.D.H.Prodhan</b> , M.A. Rahman, M.S. Ahmed and K.H. Kabir.
2016	Quantification of residue degradation of fenvalerate and acephate in hyacinth bean and tomato under supervised field trial.	Asian Australas. J. Biosci. Biotechnol, 1(2): 284-290.	M.S. Ahmed, M.A. Rahman, <b>M.D.H.Prodhan</b> , M. W. Akon and Afroza Begum.
2014	Determination of Pre Harvest Interval (PHI) for Cypermethrin and Acephate in Yard-Long Bean under Supervised Field Trial.	Bangladesh J. Entomol, 24 (1): 101-115.	M S Hossain; M M Rahman; K H Kabir; M R U Miah; <b>M D H Prodhan</b> .
2013	Detection and quantification of pesticide residues in selected vegetables of Bangladesh.	<i>Journal of Phytopathology and Pest Management.</i>	M. W. Islam, K. M. Golam Dastogeer, I. Hamim, <b>M. D. H. Prodhan</b> , M. Ashrafuzzaman.
2008	Quantitative analysis of some commonly used insecticides in vegetables.	Bangladesh J. Agriculturist.	K.H. Kabir, M.A. Rahman, M.S. Ahmed, <b>M.D.H. Prodhan</b> and M.W. Akon.
2008	Determination of residue of diazinon and carbosulfan in brinjal and quinalphos in yard long bean under supervised field trial.	<i>Bangladesh J. Agril. Res.</i>	K.H. Kabir, M.A. Rahman, M.S. Ahmed, <b>M.D.H. Prodhan</b> and M.W. Akon.
2007	Determination of carbofuran residue in the samples of sugarcane and soil of sugarcane field.	<i>The Agriculturist.</i>	K. H. Kabir, M. Abdullah, <b>M.D.H. Prodhan</b> , M.S. Ahmed and M.N. Alam.
2006	Chlorophyll content of brinjal leaf in relation to resistance for the shoot and fruit borer.	<i>Bangladesh J. Agril.Res</i>	<b>M.D.H.Prodhan</b> ., M. Shahjahan., A.K.M.Quamruzzaman and M.A. Rahaman.
2006	Biochemical constituents of brinjal influencing the infestation rate of	<i>Bangladesh J. Entomol.</i>	<b>M.D.H.Prodhan</b> ., M. Shahjahan., M.W.Akon &

	brinjal shoot and fruit borer.		T.S. Munmun.
2007	Anatomical characters of brinjal in varietal resistance for the shoot and fruit borer.	<i>Bangladesh J. Entomol</i>	<b>M. D. H. Prodhan</b> , M. Shahjahan, M. M.R. Shah, A. K. M. Azad-Ud-Daulla Prodhan & T.S. Munmun.
2007	Management of borboti bean fly, <i>Ophiomyia sp</i> using different synthetic pesticides.	<i>Int. J. Sustain. Crop Prod.</i>	M. A. Rahaman & <b>M. D. H. Prodhan.</b>
2007	Effects of net barrier and synthetic pesticides on red pumpkin beetle and yield of cucumber.	<i>Int. J. Sustain. Crop Prod.</i>	M. A. Rahaman & <b>M. D. H. Prodhan.</b>
2008	Effect of botanical and synthetic pesticides in controlling epilachna beetle and the yield of bitter gourd.	<i>Int. J. Sustain. Crop Prod.</i>	M. A. Rahaman, <b>M.D.H. Prodhan</b> and A. K. M. Monjure Maula.
2008	Repellent effect of some indigenous plant extracts against saw-toothed grain beetle, <i>Oryzaephilus surinamensis</i> (L.).	<i>Int. J. Sustain. Crop Prod.</i>	M. M. R. Shah, <b>M.D.H. Prodhan</b> , M.N.A. Siddique, M.A.A. Mamun and M. Shahjahan.
2006	Host performance of <i>lipaphis erysimi</i> on four cruciferous plant species viz. Mustard, radish, cabbage & cauliflower.	<i>Bangladesh J. Entomol.</i>	T.S. Munmun., R. Kundu., M.Z. Alam., N.K. Datta & <b>M.D.H. Prodhan.</b>
2007	Host preference of <i>lipaphis erysimi</i> on different crucifers. <i>Bangladesh J. Entomol.</i>	<i>Bangladesh J. Entomol.</i>	T.S. Munmun., R. Kundu., M.Z. Alam., N.K. Datta & <b>M.D.H. Prodhan.</b>

#### 4. List of Papers presented in national workshop/Conference

Year	Topic	Name of Publication/Journal/Conference Proceedings	Author Name/Names
2016	Monitoring of Multiple Pesticide Residues in Shrimp using QuEChERS Extraction and Gas Chromatography.	Books of Abstract of the 5 <sup>th</sup> National convention and international agricultural conference. Krishibid Institution Bangladesh, KIB, Farmgate, Dhaka, Bangladesh, P 96.	<b>M D H. Prodhan</b> , M. S. Ahmed, Afroza Begum and S. N. Alam.
2008 Dhaka, Bangla desh	Pesticide analytical research at BARI related to quality, residue and Maximum Residue Limit.	<i>Proceedings of the National workshop on Maximum Residue Limits of Pesticides in Agricultural Commodities and Foods in Bangladesh</i> , BARC, Dhaka.	K.H. Kabir, M.A.Rahman, M.S. Ahmed, <b>M.D.H. Prodhan</b> and M.W.Akon.
2011	Pesticide Information of Bangladesh. Published in	SAARC Agriculture Centre, BARC, Dhaka, Pp 1-88.	Kabir K.H. and <b>M. D. H. Prodhan.</b>

	Pesticide Information of SAARC Countries.		
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#### 5. List of Scientific Note/Short Communication Published in national Journal

Year	Topic	Name of Publication/Journal/Conference Proceedings	Author Name/Names
2009	Moisture content of brinjal shoot and fruit and its relation to brinjal shoot and fruit borer infestation.	<i>Bangladesh J. Entomol.</i>	<b>M.D.H.Prodhan.</b> , M. Shahjahan & M.A.R. Choudhury.

#### 6. List of Books/Book Chapter

Year	Topic	Name of Publication/Journal/Conference Proceedings	Author Name/Names
2017	Chapter 8: Analytical Methods in Measuring Pesticides in Foods. In Book:Pesticide Residue in Foods.	In Book:Pesticide Residue in Foods. Springer International Publishing. Pp 135-145. DOI 10.1007/978-3-319-52683-6_8	<b>M.D.H. Prodhan.</b> , S.N. Alam., and M. Jalal Uddin.
2016	Integrated pest management and their use to control destructive insect pests of different crops (in Bangla).	Entomology Division, BARI, Gazipur, Pp 1-81.	S.N. Alam., D. Sarker., M.S. Ahmed., <b>M.D.H. Prodhan</b> and A. Begum.
2010	Safe use and Handling of Pesticide.	Entomology Division, BARI, Joydebpur, Gazipur.	K.H Kabir., M.A., Rahman, M.S. Ahmed <b>M.D.H. Prodhan</b> and M.W.Akon
2009	Laboratory manual. Pesticide analytical laboratory.	Pesticide research and environmental toxicology section, entomology division, BARI, Joydebpur, Gazipur	K.H Kabir., M.A., Rahman, M.S. Ahmed and <b>M.D.H. Prodhan.</b>

LANGUAGE SKILL				
MOTHER TONGUE	BENGALI			
OTHER LANGUAGES				
	English	Arabic	Hindi	Greek
Reading skills	excellent	basic	basic	excellent
Writing skills	excellent	basic	basic	good
Verbal skills	good	basic	basic	good

SOCIAL SKILLS AND COMPETENCES	I was acted as a president in the Poschimgaon Younger United Club (PYUC) in my younger life which was situated in Dhaka
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<p><i>Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.</i></p>	<p>city of Bangladesh.</p> <p>I was also acted as a member and auditor in BUSRA, a social welfare organization in my university life, which was situated in Demra, Dhaka, Bangladesh.</p> <p>I was acted as an executive member in another social welfare organization- Al Intefeda, which was situated in Mohammadpur, Dhaka, Bangladesh</p>
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<p><b>ORGANISATIONAL SKILLS AND COMPETENCES</b> <i>Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.</i></p>	<p>I am a member of 5 professional societies. These are as follows. I worked with these societies as a responsible member in many works, meetings and research.</p> <ul style="list-style-type: none"> <li>•Member of American Chemical Society</li> <li>•E-Member of the Society of Chemical Industry (SCI)</li> <li>•Life Member of Bangladesh Association for the Advancement Science (BAAS)</li> <li>•Life Member of Entomological Society of Bangladesh (ESB)</li> <li>•Member of Bangladesh Agricultural Research Institute Scientist Association (BARISA)</li> <li>•Member of Krishibid Institution, Bangladesh (KIB)</li> </ul>
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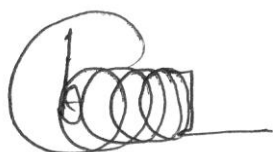
<p><b>TECHNICAL SKILLS AND COMPETENCES</b> <i>With computers, specific kinds of equipment, machinery, etc.</i></p>	<p>Familiar with MS windows operating system &amp; MS Office software ( Microsoft Wards, Microsoft Excel, Microsoft Power Point, Microsoft Access etc.)</p> <p>Internet tools, Graphic software (MS Photo editor, Adobe Photoshop) &amp; SPSS.</p>
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<p><b>OTHER SKILLS AND COMPETENCES</b> <i>Competences not mentioned above.</i></p>	<p><b>Supervision of MS Student</b> I have supervised 5 Masters student from the Department of Entomology, Sher-e-Bangla Agricultural University (SAU), Dhaka and from the Department of Plant Pathology and the department of Environmental Science, Bangladesh Agricultural University (BAU), Mymensingh.</p> <p><b>Trainer</b></p> <ul style="list-style-type: none"> <li>• Participated as a resource person for the workshop on “Review of the accreditation process of NFSL and finalization of the application for BAB” from 6-8, March 2017 at NFSL conference room, IPH, Mohakhali, Dhaka.</li> <li>• Participated as a resource speaker in around 110 training programme on “Safe Use and Handling of Pesticides” for the Sub Assistant Agriculture Officer’s of DAE and Farmer’s.</li> <li>• Participated as a resource speaker in 13 training programme on “Field Plot Technique, Data</li> </ul>
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	<p>Collection and Record Keeping” for the Scientific Assistant of BARI.</p> <ul style="list-style-type: none"> <li>• Participated as a resource speaker in trainers training on “Integrated pest management and safe use of pesticides” for the Lecturer from different Agricultural University and the Scientific Officer from different research institute.</li> </ul> <p><b>Reviewer:</b> Food Analytical Methods (Springer Science Journal); Food Chemistry (Elsevier Journal); Ecotoxicology &amp; Environmental Safety (Elsevier Journal).</p> <p><b>Resource Speaker</b> 1. Bangladesh Radio.</p> <p><b>Achievement and Awards</b> 1. Awarded by Sher-e-Bangla Agricultural University (Former Bangladesh Agricultural Institute), Sher-e-Bangla Nagar, Dhaka, Bangladesh for pursuing B.Sc.Ag. (Session 1993-94 to 1996-97). 2. Awarded by State Scholarship Foundation (I.K.Y), Greece for pursuing PhD from 03-10-2011 to 02-10-2015.</p>
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<p><b>ADDITIONAL INFORMATION</b></p>	<p><b>Prof. Dr. Euphemia Papadopoulou Mourkidou</b> Director, Pesticide Science Laboratory School of Agriculture Aristotle University of Thessaloniki, Greece Phone: Email: <a href="mailto:mourkidu@agro.auth.gr">mourkidu@agro.auth.gr</a></p> <p><b>Prof. Dr. Md. Shahjahan</b> Department of Entomology Bangladesh Agricultural University Mymensingh, Bangladesh.</p>
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30.04.2017

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(Dr. Mohammad Dalower Hossain Prodhan)