

C.V. of Abdul Kaium

Contract:

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Summary:

I am an Associate Professor in the Department of Agricultural Chemistry at Sher-e-Bangla Agricultural University in Bangladesh. I received my MSc and PhD degrees in pesticide residue and environmental toxicology from the Chinese Academy of Agricultural Sciences in Beijing, China, and my BSc degree in agriculture from Sher-e-Bangladesh Agricultural University in Dhaka, Bangladesh. My research specialization includes chemical hazards in food and environment, food toxicology, environmental toxicology, the fate of agrochemicals, and the assessment of health, environmental, and ecological risk.

Skills & Activities:

Liquid Chromatography (LC), Gas Chromatography (GC), Mass Spectrometry (MS), Spectrophotometry (ICP/AAS/UV-Vis), Sample Preparation, Method Development, Method Validation, Pesticide Residue Analysis, Pesticide Toxicology, Environmental Toxicology, Fate of Pesticide, Heavy Metal Analysis, Health Risk Assessment, Ecological Risk Assessment, and Food Safety.

Education:

September 2018 –June 2022

PhD in Pesticide Science

**(Major in Pesticide residue and Environmental Toxicology),
Chinese Academy of Agricultural Sciences, Beijing, China.**

Thesis Title: Residue Behavior of Imidacloprid in Potato and Peanut Cultivation System and Its Dietary Risk Assessment.

<i>Sep 2015 – Jan 2018</i>	Master of Science in Pesticide Science (Major in Pesticide residue and Environmental Toxicology), Chinese Academy of Agricultural Sciences, Beijing, China.. Thesis Title: Determination of Quinoid niclosamide (LDS) in Water, Soil, and Rice Samples by QuEChERS Extraction with UPLC-MS/MS.
<i>Jun 2012 – Jun 2015</i>	Master of Science in Agricultural Botany, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
<i>Jan 2007 – Dec 2010</i>	Bachelor of Science in Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Job & Research Experience:

<i>May 2022 – present</i>	Associate Professor, Department of Agricultural Chemistry Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
<i>May 2015 – May 2022</i>	Assistant Professor Sher-e-Bangla Agricultural University, Department of Agricultural Chemistry Dhaka, Bangladesh
<i>May 2013 – May 2015</i>	Lecturer Sher-e-Bangla Agricultural University, Agricultural Chemistry Dhaka, Bangladesh

Fellowship & Scholarship:

<i>Sep 2018 – July 2022</i>	Bangabandhu science & technology fellow Supported by the Ministry of Science & Technology of the people's republic of Bangladesh. Host: Institute of Plant Protection – Chinese Academy of Agricultural Sciences; Beijing, China
<i>Sep 2015–May 2018</i>	China Government Scholarship (Master degree scholarship) supported by China scholarship council. Host: Institute of Plant Protection – Chinese Academy of Agricultural Sciences; Beijing, China

Projects:

Role	Title of Projects	Sponsor /Funder
Member	Enhancing food safety TVET and higher education in Bangladesh	Ministry of Foreign Affairs of the Netharlands

Training, course, seminar & workshop:

<i>Seminar</i>	Guangzhou, China 2015/10	International seminar on food safety and pesticide risk assessment
<i>Workshop</i>	Beijing, China 2016/03	Terrestrial field dissipation of pesticide study in China
<i>Workshop</i>	Beijing, China 2017/10	Experimental design and statistical analysis in agricultural research
<i>Training</i>	Dhaka, Bangladesh 2013/12	Curriculum development and teaching-learning Assessment
<i>Course</i>	WCDI, WUR, The Netharlands 01/02/2021	Food Hazards
<i>Course</i>	WCDI, WUR, The Netharlands 01/02/2021	Food sampling and Monitoring
<i>Course</i>	WCDI, WUR, The Netharlands 01/02/2021	Application of HACCP
<i>Course</i>	WCDI, WUR, The Netharlands 01/02/2021	Blended Learning
<i>Course</i>	Precon, The Netharlands 32/12/2020	Distance Learning on Principles of Food Hygiene
<i>Course</i>	Precon, The Netharlands 32/12/2020	Auditing Skills
<i>Training</i>	Precon, The Netharlands July- December/2020	Labour market Needs Assessment (LMNA) for Food Processing Industries in Bangladesh
<i>Course</i>	FAO/WHO; 2021	Food Safety
<i>Workshop</i>	SAU, Dhaka, Bangladesh 26/06/2021	Intellectual Property Rights
<i>Training Workshop</i>	IPP-CASS, Beijing, China 14/07/2021 to 28/07/2021	International Training Workshop on Advanced Methods in Green Control of Major Plant Pests
<i>Training</i>	WFSR, WUR, The Netharlands September, 2022	Instrumental Residue Analysis of Tetracyclines in Animal Products

Academic Contributions:

Role	Journal Name	Quantity	Publisher
Reviewer	Antibiotics	4	MDPI

Reviewer	International journal of environmental analytical chemistry	3	Taylor & Francis
Reviewer	Journal of plant interactions	2	Taylor & Francis
Reviewer	International journal of environmental research and public health	1	MDPI
Reviewer	Journal of environmental science and health	1	Taylor & Francis
Reviewer	Sustainability	1	MDPI

Journal Publications:

- Kaium, A.,** Cao, J., Liu, X., Dong, F., Xu, J., Wu, X., & Zheng, Y. (2018). Validation of QuEChERS-based UPLC-MS/MS method for determination of quinoid niclosamide (LDS) residue in water, soil and rice samples. *International Journal of Environmental Analytical Chemistry*, 98(7), 644–654. <https://doi.org/10.1080/03067319.2018.1487062>
- Kaium, A.,** Cao, J., Liu, X., Dong, F., Wu, X., & Zheng, Y. (2019). Method Validation and Dissipation Behaviour of Dimethyl Disulphide (DMS) in Cucumber and Soil by Gas Chromatography-Tandem Mass Spectrometry. *International Journal of Environmental Research and Public Health*, 16(22), 4493. <https://doi.org/10.3390/ijerph16224493>
- Wang, W., Huang, W., Mao, J., Zhang, X., Wang, H., **Kaium, A.,** & Zhang, Y. (2023). Dissipation and dietary risk assessment of cyflumetofen, bifentazate and their metabolites in citrus in China. *Cogent Food & Agriculture*, 9(1), 0–14. <https://doi.org/10.1080/23311932.2022.2157091>
- Zhang, Y., Zhou, Y., Duan, T., **Kaium, A.,** & Li, X. (2022). Dissipation and dietary risk assessment of carbendazim and epoxiconazole in citrus fruits in China. *Journal of the Science of Food and Agriculture*, 102(4), 1415–1421. <https://doi.org/10.1002/jsfa.11474>
- Cao, J., Zheng, Y., **Kaium, A.,** Liu, X., Xu, J., Dong, F., Wu, X., & Zheng, Y. (2019). A comparative study of biochar, multiwalled carbon nanotubes and graphitized carbon black as QuEChERS absorbents for the rapid determination of six triazole fungicides by UPLC-MS/MS. *International Journal of Environmental Analytical Chemistry*, 99(3), 209–223. <https://doi.org/10.1080/03067319.2019.1586892>
- Habib, M., **Kaium, A.,** Khan, M. S. I., Prodhan, M. D. H., Begum, N., Chowdhury, M. T. I., & Islam, M. A. (2021). Residue level and health risk assessment of organophosphorus pesticides in eggplant and cauliflower collected from dhaka city, bangladesh. *Food Research*, 5(3), 369–377. [https://doi.org/10.26656/fr.2017.5\(3\).624](https://doi.org/10.26656/fr.2017.5(3).624)
- Rahman, A., **Kaium, A.,** Khan, M. S. I., Islam, M. A., Begum, N., Prodhan, M. D. H., Hossain, A., Mustafiz, S. S. B., & Chowdhury, M. T. I. (2021). Residue level and health risk assessment of organophosphorus pesticides in country bean and bitter melon collected from Cumilla, Bangladesh. *Food Research*, 5(6), 238–246. [https://doi.org/10.26656/fr.2017.5\(6\).041](https://doi.org/10.26656/fr.2017.5(6).041)
- Islam, M. A., Ullah, A., Habib, M., Chowdhury, T. I., Khan, S. I., **Kaium, A.,** Prodhan, M., Chowdhury, T. I., Khan, S. I., Kaium, A., & Prodhan, M. (2019). Determination of major organophosphate insecticide residues in cabbage samples from different markets of Dhaka. *Asia Pacific Environmental and Occupational Health Journal*, 5(2), 30–35. <http://www.apeohjournal.org/index.php/v/article/view/92/0>
- Kabir, S., **Kaium, A.,** Chowdhury, M. T. I., Islam, M. A., Bhuiya, S. A., Ahmed, M. W., Kadir, M. N., Moniruzzaman, M., & Khan, M. S. I. (2022). Environmental pollution, ecological and human health risk assessment of heavy metals in rice farming system near the Buriganga River in Dhaka, Bangladesh. *International Journal of Environmental Analytical Chemistry*, 00(00), 1–20. <https://doi.org/10.1080/03067319.2022.2064752>

Laboni, F. A., Ahmed, M. W., **Kaium, A.**, Alam, M. K., Parven, A., Jubayer, M. F., Rahman, M. A., Meftaul, I. M., & Khan, M. S. I. (2022). Heavy Metals in Widely Consumed Vegetables Grown in Industrial Areas of Bangladesh: a Potential Human Health Hazard. *Biological Trace Element Research*, 0123456789. <https://doi.org/10.1007/s12011-022-03179-6>