

RESUME

Name: Dr. Samsul Alam



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Father's Name: Mr. Anesur Rahaman

Date of birth: 5th Jan, 1979

Nationality: Indian

Academic Qualifications

Examination passed	Year of passing	Board/ University	Division/ Grade
Ph.D.* in Agricultural Chemicals	2010	B.C.K.V	1 st
M.Sc.(Ag) [#] in Agricultural Chemicals	2003	B.C.K.V	1 st
B.Sc. (Ag) Hons.	2001	B.C.K.V	1 st
H.S.	1997	W.B.C.H.S.E.	1 st
Madhyamik	1995	W.B.B.S.E.	1 st

B.C.K.V: Bidhan Chandra Krishi Viswavidyalaya

***Ph.D. thesis title:** Studies on persistence, degradation and phytoremediation of some selected pesticides

#M.Sc.(Ag) thesis title: Studies on the Persistence and dissipation of a fungicide Myclobutanil (Systhane 10% WP) in Chilli

Professional Trainings attended				
S N	Organization	Period of Training		Details of Training
1.	National Accreditation Board for Testing & Calibration Laboratories	24th August 2015	28th August 2015	ISO/IEC 17025:2005 Assessor's Training Course
2.	National Good Laboratory Practice Compliance Monitoring Authority	11 September 2014	12 September 2014	Sensitization Workshop on GLP
3.	National Accreditation Board for Testing & Calibration Laboratories	26 th May 2014	-	Awareness Program on Reference Material Producers Accreditation (As per ISO Guide 34: 2009)
4.	University of Helsinki, Helsinki, Finland	15 November 2013	29 November 2013	Analytical skills development course
5.	National Accreditation Board for Testing and Calibration Laboratories (NABL), Delhi and PTB, Germany.	05 September 2011	08 September 2011	Quality System as per Requirements of ISO/IEC 17043 for Proficiency Testing Providers
6.	ThermoFisher Scientific Training Institute, Hemel Hempstead, United Kingdom	09 March 2010	12 March 2010	TSQ Operations (LC-MSMS, ThermoFisher Scientific)
7.	Indian Institute of Quality Management, Standardisation Testing & Quality Certification Directorate, Malviya Industrial Area, Jaipur - 302 017	28 July 2009	31 July 2009	Laboratory Quality Management System & Internal Audit as per ISO 17025: 2005
8.	Process Ethix, New Delhi	25 September 2008	26 September 2008	Awareness-cum-Implementation Course on NABL Accreditation under ISO 17025:2005
9.	Vertex Laboratory, DRDE, Gwalior-474002.	04 August 2008	08 August 2008	Synthesis and Analysis of CWC related compounds
10.	Institute of Pesticide Formulation Technology (IPFT)	Nov 2007	Apr 2008	In-house training on Pesticide Formulation analysis

Employment Details and Work Experience			
Name & Address of the Employer	Designation	From	To
Institute of Pesticide Formulation Technology (IPFT) Sector – 20, Udyog Vihar, Gurgaon – 122016, Haryana, India	Specialist (Analytical)	01/03/11	Continuing
Institute of Pesticide Formulation Technology (IPFT) Sector – 20, Udyog Vihar, Gurgaon – 122016, Haryana, India	Scientist	30/03/07	28/02/11
Water Quality Monitoring Laboratory Bidhan Chandra Krishi Viswavidyalaya (BCKV) Kalyani, West Bengal- 741235	Junior Research Fellow	04/06/04	27/03/07

Professional Experience	
Experience in Quality Management System	
ISO/IEC 17025: 2005	<ul style="list-style-type: none"> ➤ Trained Assessor as per ISO/IEC 17025: 2005 with NABL ➤ Completed Twelve NABL Assessments as Technical Assessor. ➤ Technical Manager of the Laboratory accredited as per ISO/IEC 17025: 2005 ➤ Ten years of experience in Quality Management System
ISO/IEC 17043: 2010	<ul style="list-style-type: none"> ➤ Trained in Quality System as per Requirements of ISO/IEC 17043 for Proficiency Testing Providers
ISO/IEC Guide 34: 2009	<ul style="list-style-type: none"> ➤ Attended Awareness Program on Reference Material Producers Accreditation
Good Laboratory Practice (GLP)	<ul style="list-style-type: none"> ➤ Attended Sensitization Workshop on GLP
Nanotechnology	
Magnetic Nanoparticles	<ul style="list-style-type: none"> ➤ Received a Grant-in-aid Project from Dept. of Chemicals & Petrochemicals on “<i>Magnetic core-shell nanoparticles</i>”

	<p><i>based extraction coupled with Gas / Liquid Chromatography- Tandem Mass Spectrometry for trace level analysis of pesticides” in 2013.</i></p> <ul style="list-style-type: none"> ➤ Working on Synthesis, Characterization and application of core-shell magnetic nanoparticles. ➤ Published several papers in high impact factor International journals.
Technical Expertise	
Pesticide Residue Analysis	<ul style="list-style-type: none"> ➤ More than 12 years of experience in the field of Pesticide Residue Analysis. ➤ Completed several industry sponsored projects on Residue Data Generation.
Pesticide Formulation Analysis	<ul style="list-style-type: none"> ➤ Approximately ten years of experience in the field of Pesticide Formulation Analysis. ➤ Well acquainted with the requirements and procedures of various regulatory bodies.
Chemical Weapons Convention (CWC) related chemicals	<ul style="list-style-type: none"> ➤ Working Team Leader in the OPCW-PT Team. GC and GC-MS (EI & CI) analysis of OPCW-PT samples. Guiding the Team for sample preparation, report preparation and other activities related to OPCW-PT. ➤ Attended several S & A Inspection as an Indian member of OPCW Inspection Team.
High Precision Analytical Instruments	<ul style="list-style-type: none"> ➤ Well experienced in handling and interpretation of all the modern high precision analytical instruments like GC, HPLC, GC-MS, GC-MSMS, LC-MSMS etc.

R & D Projects Undertaken	
Principal Investigator	<p><i>Magnetic core-shell nanoparticles based extraction coupled with Gas / Liquid Chromatography- Tandem Mass Spectrometry for trace level analysis of pesticides. -Sponsored by Deptt. of Chemicals & Petrochemicals</i></p>
Co- Principal	<p><i>Differences in hormonal composition of camel at various</i></p>

Investigator	stages with National Research Centre for camel, Bikaner
	<i>Monitoring of Pesticide Residues in Air</i> with IIT, Kanpur

Consultancy Services

Provided Consultancy Services as a Technical Consultant to Directorate of Horticulture, Govt. of Haryana during 2014 – 16 for establishment of QC laboratories at two different locations.

Academic Counselor of IGNOU

Serving as an Academic Counselor of IGNOU for a course entitled “Postgraduate Diploma in Analytical Chemistry”

List of publication

Papers in Refereed Journals				
S. No	Author(s)	Year	Title	Complete Reference of Journal
1.	Partha Mukherjee, Samsul Alam , Devashis Sardar, Ajoy Pahari, Sumitra Roy and Ashim Chowdhury	2006	Persistence and Dissipation of Linuron (Afalon - 50wp) in Pea Cropped Soil and its Effect on Soil Microorganisms	<i>Bull Environ Contam Toxicol</i> (2006) 76:407–414
2.	Samsul Alam , Partha Mukherjee, Anjan Bhattacharyya, A. K. Somchowdhury and Ashim Chowdhury	2006	Persistence and Dissipation of O-Sec-Butylphenyl N-Methylcarbamate (BPMC) in Rice Ecosystem	<i>Bull Environ Contam Toxicol</i> (2006) 77:137–142
3.	D Sanyal, D Chakma and S Alam	2008	Persistence of a Neonicotinoid Insecticide, Acetamiprid on Chili (<i>Capsicum annum</i> L.)	<i>Bull Environ Contam Toxicol</i> (2008) 81: 365-368
4.	D Sanyal, A Rani and S Alam	2009	A multi-residue method for the analysis of organophosphorous residues in cooked and polished rice using accelerated solvent extraction and dispersive-solid phase extraction (D-SPE) technique and uncertainty measurement	<i>J Environ Sci Heal B</i> (2009) 44(7): 706-716

5.	Md. W Aktar, D Sengupta, S Alam and A Chowdhury	2009	Degradation Dynamics of a Di-nitro Aniline Herbicide (Trifluralin) in/on Black Gram (VignaMungo) Under East-Indian Climatic Condition	<i>Electronic Journal of Environmental, Agricultural & Food Chemistry</i> . Dec2009, Vol. 8 Issue 12, p1172-1177
6.	D Sengupta, Md. W Aktar, S Alam and A Chowdhury	2009	Interaction of a di-nitro aniline herbicide (Trifluralin) with soil vegetation system under sub-tropic condition: A dissipation kinetics study.	<i>Orbital</i> . 1(4):289-295.
7.	S Roy, S Alam and A Chowdhury	2010	Dissipation of Curzate (Cymoxanil 8% + Mancozeb 64%) in potato tuber and cropped soil	<i>Pesticide Res J</i> (2010) 22(1): 5-9
8.	Md. W Aktar, D Sengupta, S Alam and A Chowdhury	2010	Risk assessment and chemical decontamination of an oximecarbamate insecticide (Methomyl) from eggplant, <i>Solanum melongena</i> L.	<i>Environ Monit Assess</i> (2010) Sep;168(1-4): 657-68
9.	Md. W Aktar, S Alam , D Sengupta and A Chowdhury	2010	Degradation dynamics of an oximecarbamate insecticide (methomyl) in aqueous medium of varying pH under laboratory simulated condition	<i>Orbital - The Electronic Journal of Chemistry</i> Vol. 2 No. 3 - July-September 2010
10.	D Sengupta, Md. W Aktar, S Alam and A Chowdhury	2010	Impact assessment and decontamination of pesticides from meat under different culinary processes	<i>Environ Monit Assess</i> (2010) Oct;169(1-4): 37-43
11.	D Sanyal, A Rani, S Alam , S Gujral and R Gupta	2011	Development, validation, and uncertainty measurement of multi-residue analysis of organochlorine and organophosphorus pesticides using pressurized liquid extraction and dispersive-SPE techniques	<i>Environ Monit Assess</i> (2011) 182: 97-113
12.	S Alam , R K Kole and A Bhattacharyya	2011	Residual Fate of the fungicide Tetraconazole (4% EW) in Mango	<i>Bull Environ Contam Toxicol</i> (2011) 87: 444-447
13.	S Alam and R K Kole	2013	Influence of pH on persistence and dissipation of clofentezine, a tetrazine acaricide in water	<i>J Environ Chem Ecotoxicol</i> (2013) 5(4): 74 – 80
14.	S Alam , D Sengupta, R K Kole and A Bhattacharyya	2013	Dissipation kinetics of tetraconazole in three types of soil and water under laboratory condition	<i>Environ Monit Assess</i> (2013) 185: 9819-9824

15.	Ranjeet Kaur, Abshar Hasan, Nusrat, Samsul Alam ^{1*} , Mahesh Kr Saini and S K Raza	2014	Synthesis and surface engineering of magnetic nanoparticles for environmental cleanup and pesticide residue analysis- A Review	<i>J Sep Sci.</i> (2014) 37(14):1805-25
16.	Kishore K Nair, Ranjeet Kaur, Nusrat Iqbal, Abshar Hasan, Samsul Alam * and S K Raza	2015	High yield, facile aqueous synthesis and characterization of C18 functionalized iron oxide nanoparticles.	<i>Material Research Express.</i> 2(2015) 045014.
17.	Sudeep Mishra, Mahesh K. Saini, Samsul Alam *, Lalitesh K. Thakur and Syed K. Raza	2015	Determination of 25 Pesticides By GC-ECD And MSD With Measurement of Uncertainty In Tomato Using Modified QuEChERS Technique	<i>Journal of Applicable Chemistry</i> (2015) 4 (1): 221-231.
18.	Mishra S, Saini M.K., Alam S , Thakur L.K and Raza S.K	2015	Method Validation and Uncertainty measurement for Determination of 25 Pesticides by GC-ECD and MSD in Banana using modified QuEChERS Technique	<i>International Research Journal of Environmental Sciences</i> (2015), 4(3), 21-27.
19.	Sudeep Mishra, Mahesh Kr. Saini, Mukesh Kr. Singh, Samsul Alam , S. K. Raza, L. K. Thakur, Shibendu Mukharjee	2015	Method Development and Validation for Identification of 2-Phenyl Phenol in Siapton 10l by Gas Chromatography Mass Spectrometry	<i>World Journal of Pharmacy and Pharmaceutical Sciences.</i> Volume 4, Issue 12, 783-792
20.	Sanyal N, Alam S , Pradhan S, Banerjee K, Chowdhury A, Aktar MW	2015	Metabolism and dissipation kinetics of a novel protoporphyrinogen IX oxidase herbicide [oxadiargyl] in various buffered aqueous system under laboratory-simulated condition	<i>Environ Monit Assess.</i> 2015 Jul;187(7):433
21.	Mahesh K. Saini, Sudeep Mishra, Samsul Alam *, Lalitesh K. Thakur, Ompal Singh, Syed K. Raza	2016	Method Development and Validation of Multiclass Pesticide Residues and Metabolites in Wheat by GC-ECD and GC-MS	<i>Asian J. Research Chem.</i> 9(1): January 2016
22.	Sudeep Mishra, V. D. Deotale, M. A. Pande, M. K. Saini, M. K. Singh, S. Alam *, B. S. Sehrawat, L. K. Thakur and S. K. Raza	2016	GC-MS analysis of multiclass pesticide residues found in farmland water of haryana districts	<i>World Journal of Pharmaceutical Research</i> 5(8): 744-752.
23.	Neha Srivastava, Supriya Kumari, Kishore Nair, Samsul Alam * and S K Raza	2017	Determination of organophosphorous pesticides in environmental water samples using surface engineered C-18 functionalized silica coated core-shell magnetic nanoparticles based extraction coupled with GC-MS/MS analysis	<i>J AOAC Int.</i> 2017 Jan 12. doi: 10.5740/jaoacint.16-0312.

24.	Sudeep Mishra, V D Deotale, M A Pande, M K Saini, M K Singh, S Alam* , B S Sehrawat, L K Thakur and S K Raza	2017	Monitoring of multiclass pesticide residues in farmland soil from different districts of Haryana	<i>Agric Res J 54 (1) : 47-52, March 2017</i>
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Papers Published in Conference Proceedings

S. No	Author(s)	Year	Title	Name and Place of Conference
1.	R K Kole, S Alam , P Mukherjee, D Sardar, S Kole, T Saha and M Sengupta.	2005	Multiresidue analysis of pesticides for evaluation of surface water quality of the river Ganga in West Bengal	BCPC Int Cong – Crop Science & Technology, Glasgow, Scotland, UK
2.	P Mukherjee, D Sardar, S Kole, S Alam and R K Kole	2007	Quality assessment of municipal sewage water treated under Ganga basin areas in West Bengal and their possible impact on hooghly estuarine system	National Seminar on CR & SM, Kalyani, West Bengal, India

Book Chapters

S. No	Author(s)	Year	Title	Book reference & Publisher
1.	Kishore Kumar Nair, Neha Srivastava, Supriya Kumari, Samsul Alam* , S.K.Raza	2017	Significance of Nanotechnology for sensing, estimation, degradation and formulation of agrochemicals	Volume 12: Impact of nanoscience in the food industry; Handbook of Food Bioengineering (Volumes 1-20). ELSEVIER (in Press)
2.	SK Raza and S. Alam	2016	Recent trends in the analysis of pesticide residues by mass spectrometric techniques.	Plant Health Management for Food Security : Issues and Approaches. Edt. Anitha Kodaru B Sarath Babu G S Laha Gururaj Katti K S Varaprasad Nethi Somasekhar, Plant Protection Association of India.

Awards and Recognitions

SN o	Award Name	Awarding Organization	Awarded Work / Project
1.	Best Poster Presentation (2 nd prize)	International conference on Agrochemicals protecting crop, health and natural environment (8-11 January, 2008 at IARI, New Delhi)	Multiresidue analysis of 17 organophosphorous pesticides using accelerated solvent extraction coupled with Gas chromatography- Flame photometric detection
2.	Best Poster Presentation (3 rd prize)	International conference on frontiers of Mass spectrometry (6-9 September, 2013 at Mahatma Gandhi University, Kottayam, Kerala)	Determination of 25 pesticides by GC-ECD and MSD with measurement of uncertainty in tomato and banana using modified QuEChERS technique
3.	Director's Award	IPFT	Designation of IPFT by OPCW in 2011
4.	Certificate of Appreciation	ACS Publications, USA	Valuable contribution and dedicated service in the peer review of manuscripts submitted to ACS journals

Hobbies: Gadgets & Cars, Reading

I do hereby declare that all the statements furnished above are true to the best of my knowledge & belief.

Date: 10 October, 2017

Place: Gurugram

SAMSUL ALAM