

RESUME

NAME: Dr. Arunava Samanta

DESIGNATION: Professor

CONTACTS:

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:**

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RESEARCH

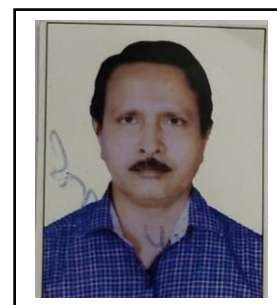
GATE

PROFILE:

<https://www.researchgate.net/profile/Arunava-Samanta-2/unconfirmed>

4. **DATE OF BIRTH:** 18/10/1964

5. **DATE OF JOINING TO THE UNIVERSITY:** 16/12/1994



6. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D. in Agricultural Entomology	B.C.K.V	1998
MASTER'S	M.Sc. in Agricultural Entomology	B.C.K.V	1988
BACHELOR'S	B.Sc. (Hons.) Agriculture	B.C.K.V	1986

7. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Professor	B.C.K.V (Entomology)	02/03/2010	Present
Associate Professor	B.C.K.V (Entomology)	02/03/2002	01/03/2010
Assistant Professor	B.C.K.V (Entomology)	16/12/1994	01/03/2002
KVK Scientist	Kalyan KVK	02/03/1993	15/12/1994

8. ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES) (IF ANY)

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
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9. AREA OF RESEARCH : (Bulleted list)

- Toxicology
- Pesticide residue
- Bio-pesticides
- Ecology and IPM
- Bio-efficacy of pesticides
- Molecular Entomology

10. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	ENT-301	Crop pest and Stored Grain Pest and their Management	2+1
	ENT-251	Insect Ecology and IPM Incl. Beneficial Insects	2+1
	PPR-351	Plant Protection	1+1
	ENT- 451	Pesticide and Plant Protection Equipment	1+1
POST GRADUATE	ENT- 504	Insect Ecology and IPM	2+1
	ENT- 601	Toxicology of Insects	2+1
	ENT-557	Storage Entomology	1+1
Ph.D.	ENT-703	Advanced Insecticides Toxicology	2+1

11. NUMBER OF STUDENTS SUPERVISED:

Master's: Supervised 19 students

Doctoral: Supervised 10 students

12. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI

13. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

14. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

15. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):

- Recipient of Rajiv Gandhi Shiromani Award for Outstanding Services Achievements and Contributions
- Recipient of Siksha Rattan Puraskar for Outstanding Services Achievements and Contributions
- Fellow of Society of Plant Protection Sciences (SPPS, 2005)

16. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list):

17. PUBLICATIONS

A. BOOKS:

- Nihal, R., Pavan, T., and **Samanta, A.** (2020). Seriguide. New Delhi Publishers, India
- **Samanta, A.**, Patra, B., Patra, S. (2018). Pest Management in Vegetable Crops. Agro India Publication, Allahabad, India

B. RESEARCH PAPERS (Best 10)

Sl. no.	Details of Papers	NAAS Rating/Impact factor)
1.	Barman, M., Samanta, S., Atta, K., Dutta, S., Dey, S., Samanta, A. , Tarafdar, J. and Ahmed, B. (2024). Biochemical and morphological basis of resistance in okra (<i>Abelmoschus esculentus</i> (L.)) against whitefly and jassid. <i>International Journal of Tropical Insect Science</i> , pp.1-18.	6.87
2.	Meenambigai, C., Samanta, A. , Samanta, S., Kumar Sathees A. (2024). Weather Parameter's Impact on Natural Parasitization by <i>Campoletis chloridae</i> Uchida in Chickpea Ecosystem - New Alluvial Zone of West Bengal. <i>Legume Research-An International Journal</i>	6.80
3.	Samanta, S., Barman, M., Thakur, H., Chakraborty, S., Upadhyaya, G., Roy, D., Banerjee, A., Samanta, A. and Tarafdar, J. (2023). Evidence of population expansion and insecticide resistance mechanism in invasive fall armyworm (<i>Spodoptera frugiperda</i>). <i>BMC biotechnology</i> , 23(1), p.17	9.50
4.	Barman, M., Samanta, S., Ahmed, B., Dey, S., Chakraborty, S., Deeksha, M.G., Dutta, S., Samanta, A. , Tarafdar, J. and Roy, D. (2023). Transcription dynamics of heat-shock proteins (Hsps) and endosymbiont titres in response to thermal stress in whitefly, <i>Bemisia tabaci</i> (Asia-I). <i>Frontiers in Physiology</i> , 13, p.1097459.	10.00
5.	Barman, M., Samanta, S., Chakraborty, S., Samanta, A. and Tarafdar, J. (2022). Copy number variation of two begomovirus acquired and inoculated by different cryptic species of whitefly, <i>Bemisia tabaci</i> in Okra. <i>PloS one</i> , 17(3), p.e0265991.	9.70
6.	Barman, M., Samanta, S., Upadhyaya, G., Thakur, H., Chakraborty, S., Samanta, A. and Tarafdar, J. (2022). Unraveling the basis of neonicotinoid resistance in whitefly species complex: Role of endosymbiotic bacteria and insecticide resistance genes. <i>Frontiers in Microbiology</i> , 13, p.901793.	11.20
7.	Patra, S., Das, A., Rakshit, R., Choudhury, S.R., Roy, S., Mondal, T., Samanta, A. , Ganguly, P., Alsuhaibani, A.M., Gaber, A. and Brestic, M. (2022). Persistence and exposure assessment of insecticide indoxacarb residues in vegetables. <i>Frontiers in Nutrition</i> , 9, p.863519.	11.00
8.	Barman, M., Samanta, S., Thakur, H., Chakraborty, S., Samanta, A. , Ghosh, A. and Tarafdar, J. (2021). Effect of Neonicotinoids on Bacterial Symbionts and Insecticide-Resistant Gene in Whitefly,	8.76

	<i>Bemisia tabaci</i> . <i>Insects</i> , 12(8), 742.	
9.	Patra, S., Ganguly, P., Barik, S. R., Goon, A., Jajati Mandal, J., Samanta, A. and Anjan Bhattacharyya, A. (2020). Persistence behaviour and safety risk evaluation of pyridalyl in tomato and cabbage, <i>Food Chemistry</i> , 309: 125711.	11.40
10.	Sen, K., Dhar, P.P. and Samanta, A. (2019). Field screening of different genotypes of bitter gourd for infestation with the melon fruit fly, <i>Bactrocera cucurbitae</i> (Coquillett) in two agro-climatic zones of West Bengal, India. <i>International Journal of Tropical Insect Science</i> , 39(4), pp.273-282.	6.87



16-03-2025