

# RESUME

**NAME:** DR. AMITAVA BANERJEE

**DESIGNATION:** Assistant Professor (Agricultural Entomology)

**CONTACTS:**

**1. OFFICIAL ADDRESS FOR CORRESPONDENCE:**

AICRP on MULLaRP, Directorate of Research, Mohanpur, Nadia,  
West Bengal, Pin - 741252

**2. PHONE :**           **Mobile:** +91-9433565125  
                                  **WhatsApp:** +91-9433565125

**3. EMAIL :**           **Institutional:** banerjee.amitava@bckv.edu.in  
                                  **Alternative:** amitavakvk@gmail.com

**4. ORCID ID:** 0000-0003-3805-6029

**5. GOOGLE SCHOLAR PROFILE:** NA

**6. RESEARCHGATE PROFILE:** <https://www.researchgate.net/profile/Amitava-Banerjee-7>

**7. DATE OF BIRTH:** 08/08/1978

**8. DATE OF JOINING TO THE UNIVERSITY:** 05/11/2008 (SMS in Howrah KVK)  
29/10/2014 (Assistant Professor)



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**9. ACADEMIC PROFILE:**

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Doctor of Philosophy (Agriculture) in Agricultural Entomology	Bidhan Chandra Krishi Viswavidyalaya	2008
MASTER'S	Master of Science (Agriculture) in Agricultural Entomology	Bidhan Chandra Krishi Viswavidyalaya	2002
BACHELOR'S	Bachelor of Science in Agriculture with Honours	Bidhan Chandra Krishi Viswavidyalaya	2000

**10. EMPLOYMENT HISTORY: (Starting from present position)**

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Assistant Professor	Bidhan Chandra Krishi Viswavidyalaya (Directorate of Research)	29/10/2014	Till date
Subject Matter Specialist	Bidhan Chandra Krishi Viswavidyalaya (Howrah Krishi Vigyan Kendra under Directorate of Extension Education)	05/11/2008	29/10/2014

**11. ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES) (IF ANY)**

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1.	Officer In-Charge, AICRP on MULLaRP	16/05/2017	12/02/2020
2.	Officer In-Charge, AICRP on MULLaRP	10/06/2022	Till date
3.	Assistant Director of Extension Education	17/11/2023	Till date
4.	Drawing & Disbursing Officer of the Directorate of Extension Education	13/12/2023	Till date

**12. AREA OF RESEARCH : (Bulleted list)**

- Bio-ecology of insect pests occurring on field crops as well as in storage along with their sustainable management
- Pulse crop entomology
- Integrated Pest Management

**13. COURSES ASSOCIATED WITH:**

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
<b>UNDERGRADUATE</b>		Rural Agricultural Work Experience and Agro Industrial Attachment (RAWE&AIA)	20
<b>POST GRADUATE</b>	ENT 509	Pests of Field Crops	2+1
	ENT 511	Post Harvest Entomology	1+1
	ENT 523	Forest Entomology	1+1
	ENT 518	Lac culture	2+1
	ENT 520	Plant Quarantine, Biosafety and Biosecurity	2+0
<b>Ph.D.</b>	ENT 603	Insect Ecology and Diversity	2+1
	ENT 610	Integrated Pest Management	1+1

**14. NUMBER OF STUDENTS SUPERVISED:**

**Master's: Awarded - 09; Pursuing - 02    Doctoral: Awarded - 01; Pursuing - 01**

**15. PROJECT ACTIVITIES**

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1.	On Farm Trial: Sulfoxaflor + Spinetoram on grapes	Dow Agro Science India Pvt. Ltd.	Completed	Co-PI
2.	Evaluation of Rallis insecticide, RIL 163/F1 (25% WG) on tea for bio-efficacy (against thrips & loopers), phytotoxicity and residue in two different Agro-climatic Zones of West Bengal	Rallis India Ltd.	Completed	PI

3.	Two seasons efficacy, phytotoxicity and effect on natural enemy studies with Flubendiamide 90 + Deltamethrin 60 w/v SC (Fame Quick 150 SC) in tomato	Bayer Crop Science Ltd.	Completed	PI
4.	Two seasons efficacy, phytotoxicity and effect on natural enemy studies with Gaucho (Imidacloprid 600 FS) as seed treatment on chilli	Bayer Crop Science Ltd.	Completed	PI
5.	Evaluation of Rallis insecticide & fungicide, pre-mixture Origin 8.5% WG for bio-efficacy, phytotoxicity and safety to natural enemies on tomato	Rallis India Ltd.	Completed	Co-PI
6.	Enhancing lentil, lathyrus and chickpea productivity through improved technology under rice fallow areas of West Bengal	International Centre for Agricultural Research in the Dry Areas	Completed	Co-PI
7.	Paid up (sponsored) bio-efficacy trials of Bistrifluthrin 10% EC on cole crops insect pests	Sudarshan Chemicals Industries Ltd.	Completed	PI
8.	Enhancing pulses production for food and nutritional security, improved livelihoods and sustainable agriculture in West Bengal	International Centre for Agricultural Research in the Dry Areas	Completed	Co-PI
9.	Bio-efficacy evaluation of insecticide 'Lancer gold' (Acephate 50% + Imidacloprid 1.8% SP) on chilli for two seasons	UPL Ltd.	Completed	PI
10.	Genetic improvement of lentil for rice fallow ecology: converging nutrient use efficiency and stemphylium blight resistance	International Centre for Agricultural Research in the Dry Areas	Completed	Co-PI
11.	Evaluation of BAS 325 01 I (Insecticide) against gram pod borer and aphids pests of chickpea	BASF India Ltd.	Completed	PI
12.	Bio-efficacy evaluation of coded CCP-003 G against stem borer of maize	Crystal Crop Protection Ltd.	Completed	PI
13.	Evaluation of bio-efficacy and phytotoxicity of BAS 441 01 I SC against Thrips, mites, Whitefly and Aphids pests on Chilli	BASF India Ltd.	Completed	PI
14.	Market driven production, processing, brand building and direct marketing of variety specific pulses as well as value added pulse products mobilizing farmers cluster for improvement of livelihood and nutritional security	Department of Marketing, Government of West Bengal	Completed	Co-PI

15.	Bio-efficacy of Chlorantraniliprole 18.5% SC (Tagros) against fruit borer of chillies	Tagros Chemicals India Pvt. Ltd.	Completed	PI
16.	Bio-efficacy evaluation of GPI 2520 in maize for two seasons	UPL Ltd.	Completed	PI
17.	Bio-efficacy evaluation of FIN21-01 against different insect pests of chilli for two seasons	FMC India Pvt. Ltd.	Completed	PI
18.	Bio-efficacy of Cyantraniliprole 10.26% OD {w/w} (Tagros) against insect pests in chilli crop	Tagros Chemicals India Pvt. Ltd.	Completed	PI
19.	Efficacy evaluation of Chlorantraniliprole 18.5% w/w SC (Coragen <sup>®</sup> ) against different insect pests on soybean when applied as a foliar spray with drone-paid up trial	FMC India Pvt. Ltd.	Completed	PI
20.	Bio-efficacy evaluation of KI-3 on tomato for two seasons	Sulphur Mills Ltd.	Completed	PI

#### 16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	HRD programme entitled 'Contemporary findings on varietal and management recommendation for Pulses & Network Research Highlights' for the Subject Matter Specialists of KVKs organized by DEE, BCKV	December 19-20, 2023	FACC, BCKV, Kalyani	Organizer
2.	HRD programme entitled 'Emerging crop management strategies in weather induced stresses' for the Subject Matter Specialists of KVKs organized by DEE, BCKV	March 7-8, 2024	FACC, BCKV, Kalyani	Organizer and Resource person

#### 17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	XII Annual Group Meeting (AGM) of All India Coordinated Research Project on Nematodes in Cropping Systems (ICAR) organized by AICRP on Nematodes in Cropping Systems, ICAR	July 6-7, 2015	FACC, BCKV, Kalyani, Nadia, W.B.	Member of Organizing Committee
2.	National Symposium on 'Impact of Climate Change, Biodiversity and Good Plant Protection Practices on Crop Productivity' organized by Association for Advancement in Plant Protection, Plant Health Clinic Laboratory, Directorate of Research, BCKV, Kalyani, Nadia, West Bengal	December 22-23, 2016	FACC, BCKV, Kalyani, Nadia, W.B.	Member of Organizing Committee

3.	23rd Annual Group Meeting of AICRP on Tuber Crops (ICAR) organized by ICAR AICRP on Tuber Crops	May 10-12, 2023	FACC, BCKV, Kalyani, Nadia, W.B.	<b>Member</b> of Organizing Committee
4.	International Conference on “Agricultural Innovations for Sustainable Development Goals with Special Focus on Natural Farming” organized by CWSS, BCKV, Kalyani, Nadia, West Bengal	September 30-October 2, 2023	FACC, BCKV, Kalyani, Nadia, W.B.	<b>Member</b> of Organizing Committee
5.	3 <sup>rd</sup> Biotic Science Congress, 2023 and International Conference on Advancement in Plant Health Research – Retrospect & Prospect organized by SBER, Tripura	December 7-8, 2023	Visva Bharati, Sriniketan, West Bengal	<b>Executive Member</b> of Organizing Committee
6.	Krishi-O-Udyan Mela-2024	February 15-16, 2024	BCKV, Mohanpur, Nadia, W.B.	<b>Member</b> of Organizing Committee
7.	4 <sup>th</sup> Biotic Science Congress, 2024 and International Conference on Climate Smart Farming: Adoption, Impacts and Implications for Sustainable Development organized by SBER, Tripura	November 21-22, 2024	College of Agriculture, Kyrdemkula i, Ri Bhoi, Meghalaya	<b>Organizing Secretary (Joint)</b> of Organizing Committee
8.	7 <sup>th</sup> Regional Science & Technology Congress, 2024-25 jointly organized by BCKV & Dept. of Science and Technology and Biotechnology, Govt. of West Bengal	January 14-15, 2025	BCKV, Mohanpur, Nadia, W.B.	<b>Member</b> of Organizing Committee

#### 18. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):

- **‘Dr. H.S. Pruthi Award’** conferred by Indian Society of Agriculture & Horticulture Research Development (Chandigarh) at Brainware University, Kolkata, West Bengal during 2025.
- **‘Best Krishi Shikshak Samman 2023’** conferred by Society of Biotic and Environmental Research (Tripura) at Visva Bharati, Sriniketan.
- **Developed Grasspea variety (Bidhan Khesari – 1).**
- **Nominated expert from the Department of Entomology** (Nominated by Hon’ble Vice-Chancellor, BCKV)
- **Nominated as visiting scientist in ICAR-NDRI** at Kalyani, Nadia, West Bengal (Nominated by Hon’ble Vice-Chancellor, BCKV)
- **First position in Oral Presentation** in the 9<sup>th</sup> International Conference on AgriNext: Future Trends in Agriculture jointly organized by Brainware University, Just Agriculture Group & ISAHRD at Brainware University, Kolkata, West Bengal during February 10-12, 2025.
- **External Expert/ Examiner/ Thesis evaluation of other Institutes viz.** Tripura University; Bihar Agricultural University (Sabour); Uttar Banga Krishi Viswavidyalaya; Dr. YSR Horticultural University (A.P.); Visva-Bharati; Orissa University of Agriculture and Technology; Ramakrishna Mission Vivekananda University (Narendrapur); The Neotia University
- **Editor/ Editorial Board Member** of different journals e.g. Journal of Crop and Weed, Journal of Plant Health Archives and magazines e.g. Krishi Bidhan, Prajukti

- **Councilor (Zone III)** of Indian Society of Pulses Research and Development (ISPRD), ICAR-IIPR, Kanpur
- **Team Leader/ Member of Monitoring Team** of mandated trials of AICRP on MULLaRP, AICRP on Kharif Pulses and AICRP on Rabi Pulses.
- **Chairman and Co-Chairman** in different sessions of International/ National Seminars/ Symposia/ Conferences as well as in Farmer-Scientist Interaction Sessions of Krishi-O-Udyan Mela in Golden Jubilee Celebration of BCKV.
- **Rapporteur** in different Annual Group Meets of ICAR AICRP and in International/ National Seminars/ Symposia/ Conferences.
- **Coordinator** of Innovative Farmer Award Screening Committee of AAPP, BCKV.

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

- **Acted as Co-PI in following ICARDA** (International Centre for Agricultural Research in the Dry Areas) **funded projects**
  - i) Enhancing lentil, lathyrus and chickpea productivity through improved technology under rice fallow areas of West Bengal
  - ii) Enhancing pulses production for food and nutritional security, improved livelihoods and sustainable agriculture in West Bengal
  - iii) Genetic improvement of lentil for rice fallow ecology: converging nutrient use efficiency and stemphylium blight resistance

## 20. PUBLICATIONS

### A. BOOKS

1. 'Tropical Fruits' published by Directorate of Research, BCKV in 2011 [Edited]
2. 'Dhaner rog-poka o onyanyo shotru : chinhitokaron, khotir porimap paddhoti' (in Bengali) published by Directorate of Research, Bidhan Chandra Krishi Viswavidyalaya, Kalyani, Nadia, West Bengal in 2013 [Manual]
3. 'Howrah Jelar Prekkhite Kichu Samayopojogi Krishi Projukti' (in Bengali) published by Howrah Krishi Vigyan Kendra, Jagatballavpur, Howrah in 2014
4. 'Recommended practices of some important crops/ breeds for Howrah district' published by Howrah Krishi Vigyan Kendra, Jagatballavpur, Howrah in 2015
5. Book of Abstract (National Symposium on 'National Symposium on "Impact of Climate Change, Biodiversity and Good Plant Protection Practices on Crop Productivity' held at BCKV, Kalyani, Nadia, West Bengal during December 22-23, 2016) published by AAPP, Directorate of Research, BCKV in 2016 [Edited]
6. 'Arthokori Phuler Chash' (in Bengali) published by AICRP on Floriculture, Directorate of Research, BCKV in 2018

### B. RESEARCH PAPERS (Best 10)

1. Samanta, S., Barman, M., Chakraborty, S., **Banerjee, A.** and Tarafdar, J. 2021. Involvement of small heat shock proteins (sHsps) in developmental stages of fall armyworm, *Spodoptera frugiperda* and its expression pattern under abiotic stress condition. *Heliyon*, <https://doi.org/10.1016/j.heliyon.2021.e06906>
2. Samanta, S., Barman, M., Thakur, H., Chakraborty, S., Upadhyay, G., Roy, D., **Banerjee, A.**, Samanta, A. and Tarafdar, J. 2023. Evidence of population expansion and insecticide resistance mechanism in invasive fall armyworm

3. Pal, S., Samanta, S. and **Banerjee, A.** 2021. Seasonal incidence of pulse aphid (*Aphis craccivora* Koch.) and its natural enemies on field pea (*Pisum sativum* L.) in relation to some abiotic factors in Alluvial Zone of West Bengal. *Legume Research*, DOI: 10.18805/LR-4464.
4. Singh, K., Majumder, T., Mallick, A., Samajder, A., Modak, M., Devi, M.S., **Banerjee, A.**, Sarkar, A., Patel, L.C., Ghosh, S.M. and Roy, K. 2023. Defensive role of plant latex on insect pests' suppression: a critical review. *American Journal of Plant Sciences*, 14: 1375-1398. <https://doi.org/10.4236/ajps.2023.1411093>.
5. **Banerjee, A.** and Samanta, Snigdha. 2023. Assessment of avoidable yield losses due to major pests of lentil in Eastern India. *Journal of Entomological Research*, 47(4): 625-631. DOI: 10.5958/0974-4576.2023.00115.9.
6. Ray, Sabyasachi and **Banerjee, A.** 2022. Antixenotic mechanism of resistance in different chickpea genotypes against gram pod borer (*Helicoverpa armigera* Hübner). *Journal of Entomological Research*, 46(Suppl.): 949-956. DOI: 10.5958/0974-4576.2022.00162.1
7. Bera, Sayani and **Banerjee, A.** 2022. Estimation of crop losses due to major insect pests of grass pea (*Lathyrus sativus* L.) in Gangetic plains of Eastern India. *Journal of Entomological Research*, 46(3): 467-472. DOI : 10.5958/0974-4576.2022.00082.2
8. **Banerjee, A.** and Samanta, S. 2021. Evaluation of different integrated pest management modules against lentil aphid (*Aphis craccivora*) in lower Gangetic plains of Eastern India. *Journal of Entomological Research*, 45(4): 686-691. DOI : 10.5958/0974-4576.2021.00108.0
9. **Banerjee, A.** and Ray, Sabyasachi. 2023. Influence of different planting dates on the occurrence of key pests affecting blackgram in the lower Gangetic alluvial plain of West Bengal. *Research Biotica*, 5(4): 139-144. DOI: 10.54083/ResBio/5.4.2023/139-144.
10. Malik, Suprava, **Banerjee, A.** and Samanta, A. 2021. Evaluation of IPM module against major insect pests of green gram, *Vigna radiata* (L.) Wilczek in lower Gangetic plains of West Bengal. *Environment Conservation Journal*, 22(3): 111-115. Doi: <https://doi.org/10.36953/ECJ.2021.22313>



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Signature with Date