

RESUME

NAME: PRANAB DEBNATH

DESIGNATION: ASSISTANT PROFESSOR

CONTACTS:

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:**

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Alternative: pranab.bckv@gmail.com

4. **ORCID ID:** <https://orcid.org/0000-0002-1516-5831>

5. **GOOGLE SCHOLAR PROFILE:**

https://scholar.google.com/citations?user=I_B2LjYAAAAJ&hl=en

6. **RESEARCHGATE PROFILE:** <https://www.researchgate.net/profile/Pranab-Debnath>

7. **DATE OF BIRTH:** 25/04/1983

8. **DATE OF JOINING TO THE UNIVERSITY:** 21/10/2014



9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph. D. (Agricultural Entomology)	B.C.K.V.	2014
MASTER'S	M.Sc. (Agriculture) in Agricultural Entomology	B.C.K.V.	2009
BACHELOR'S	B. Sc. (Agriculture) Hons	B.C.K.V.	2007

10. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Assistant Professor	Vice-Chancellor, BCKV	21.10.2014	Continuing
Block Technology Manager	ATMA-Nadia (Krishnagar II Block)	03.03.2014	20.10.2014
Block Technology Manager	ATMA-South 24 Parganas (Bhangore I Block)	18.03.2014	28.02.2014

11. ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES)

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1.	Acted as Part-time Provost for the Borlaug Abas (International Hostel)	09 th March, 2015	21 st June, 2021
2.	Acting as Part-time Provost for the Nazrul Abas	21 st June, 2021	till date

12. AREA OF RESEARCH :

- Eriophyoid mite taxonomy
- Mymaridae taxonomy
- Economic entomology

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	AEN104	Fundamentals of Agricultural Entomology I	2+1
	AEN(H) 104	Fundamentals of Agricultural Entomology I	2+1
	AEN (H) 210	Non-insect Pests of Horticultural Crops and their Management	1+1
	AEPP 306	Principals of Integrated Pest and Disease Management	2+1
POST GRADUATE	ENT 503	Insect Taxonomy	2+1
	ENT 513	Principles of Acarology	1+1
Ph.D.	ENT 608	Acarology	1+1
	ENT 601	Insect Phylogeny and Systematics	1+2

14. NUMBER OF STUDENTS SUPERVISED:

Master's. 11

Doctoral: 4 (Pursuing)

15. RESOURCE PERSON FOR OTHER INSTITUTES

- Attended the “1st Annual Biodiversity Camp in Neora Valley National Park for Exploration of Flora & Fauna” as Resource Person of Coleoptera, during 3rd March to 13th March, 2018 Organized by Department of Forests, Government of West Bengal
- Acting as resources person for the Participants of DAESI Programme at NETAJI SUBHAS REGIONAL INSTITUTE OF COOPERATIVE MANAGEMENT, Kalyani since 2019
- Acting as resource person for training program on “Outscaling of natural farming through KVKs”
- Participated as an expert in Krishidarshan programme (live) of DD Kolkata on “Climate resilient rice for higher yield and water productivity” on 05th June, 2018

- Delivered a Lecture on “Different pests of potato & Winter vegetables and its control measures” on 10th January, 2018 at Krishi Vigyan Kendra, Hoogly, organized by IFFCO Kolkata
- Delivered a lecture on 04.03.2020 on “Eriophyoid Mite Pest of different crops and their management” at FACC, BCKV under Tribal Sub-Plan (TSP) of AINP Agril Acarology.
- Delivered a lecture on 18.08.2020 on “Classification of Pesticides, New Generation Pesticides” VC mode under DAESI program of Jalpaiguri KVK

16. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES

- Life Member of ‘**Society for Fertilizers and Environment**’, since 16th February 2016.
- Life Member of ‘**Association for Advancement in Plant Protection**’, BCKV, West Bengal, India since July-2021
- Life Member of ‘**Crop and Weed Science Society**’ since 20.01.2023

17. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	Evaluation of bio-efficacy of MAINA-3 on rose for the control of Two spotted spider mite, <i>Tetranychus urticae</i> (Koch)	M/s ADAMA India Private Ltd.	COMPLETED	PI
2	Evaluation of bio-efficacy of IIL-BUPFPRO on paddy crop for the control of brown plant hoppers and leaf folder	Insecticides India Ltd	COMPLETED	PI
3	Evaluation of Triazophos 40 % EC against pest of rice and soybean	M/s Agro Life Science Corporation	COMPLETED	Co-PI
4	Two seasons efficacy, phyto-toxicity and effect on Natural Enemy studies with Gaucho (Imidacloprid 600 FS) as seed treatment on Black gram	M/S Bayer CropScience Ltd.	COMPLETED	PI
5	Evaluation of Bio-efficacy of Chlorpyrifos 20% EC on Brinjal	M/S Meghmani organics limited	COMPLETED	PI
6	Bio-efficacy and phytotoxicity of MAIRM-22 on Brinjal against fruit and shoot borer	M/s ADAMA India Private Ltd.	COMPLETED	PI
7	Capacity enhancement of	Dept. of	ONGOING	Co-PI

	Commercial Apiculture Unit of BCKV for scientific honey production and marketing through Sufal Bangla, Dept. of Agricultural Marketing, Government of West Bengal	Agricultural Marketing, Govt. of West Bengal under RKVY		
8	Infrastructure upscaling of Commercial Apiculture Unit of BCKV for Scientific Honey Production and Marketing through Sufal Bangla, Dept. of Agricultural Marketing, Government of West Bengal	Dept. of Agricultural Marketing, Govt. of West Bengal under RKVY	ONGOING	Co-PI
9	Evaluation of CCP-003 against Stem Borer of Rice	M/S Crystal Crop Protection Limited	COMPLETED	PI
10	Evaluation of Bio-efficacy and phytotoxicity of Bifenthrin 8 % SC against red spider mite and mosquito bug on tea	M/S RAINBOW AGROSCIENCES PVT LTD.	COMPLETED	PI
11	Evaluation of bioefficacy and phytotoxicity of BAS 550 01 I SC against White fly and Aphids on Chilli	M/S BASF India Limited	COMPLETED	PI
12	Evaluation of bioefficacy and phytotoxicity of BAS 441 01 I against sucking pests on Cucurbits	M/S BASF India Limited	COMPLETED	PI
13	Evaluation of FA-4 against Yellow stem borer, Leaf folder and Plant hoppers on Rice	M/S Sulphur mills limited	COMPLETED	PI
14	Efficacy of E2Y45 600SC g/l against tomato fruit borer (<i>Helicoverpa armigera</i>) and fall armyworm (<i>Spodoptera frugiperda</i>) on tomato	M/S FMC India Privet Limited	COMPLETED	PI
15	Evaluation of bioefficacy of Tetraniliprole 120 g/L + Spirotetramat 240 g/L	M/S Bayer CropScience Ltd.	COMPLETED	PI

	SC (Vayego Care) against Fruit and shoot borer, White fly, Mites and Aphids of Okra			
16	Bio-efficacy and phytotoxicity of Metaldehyde 5% GB against pests of Rubber and Tea	M/S Sharda Cropchem Limited	COMPLETED	PI
17	Evaluation of bioefficacy & phytotoxicity of Novoluron 5.25% + Emamectine benzoate 0.9% SC against Borers (<i>Helicoverpa armigera</i> and <i>Spodoptera litura</i>) in Chilli	M/S ADAMA India Pvt. Ltd	COMPLETED	PI
18	Evaluation of bioefficacy & phytotoxicity of Novaluron 5.25 % + Indoxacarb 4.5 % SC against Borers (<i>Helicoverpa armigera</i> and <i>Spodoptera litura</i>) in Chilli	M/S ADAMA India Pvt. Ltd	COMPLETED	PI
19	Evaluation of bio-efficacy and phytotoxicity of insect pests on groundnut and sugarcane	M/S Tagros Chemicals India Ltd.	COMPLETED	PI
20	Evaluation of bioefficacy & phytotoxicity of Dammu against stem borer, leaf folder and mite pests rice	M/S Indofil Industries Ltd.	ONGOING	PI
21	Evaluation of bioefficacy of Chlorantraniliprole 0.6 % + Thiamethoxam 1.25 % + Fipronil 1.25 % GR against Rice stem borer and leaf folder	M/S Tropical Agrosystem (India) Pvt. Ltd.	ONGOING	PI

18. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	'Taxonomy of Insects and Mites' ICAR sponsored Niche Area of	3 rd to 23 rd February, 2015 (21 days)	University of Agricultural Sciences, Bangalore	Participant

	Excellence Project on Capacity Building in Taxonomy of Insects and Mites			
2	“Pest Surveillance”	16th to 20th July, 2018 (5 days)	NIPHM, Hyderabad	Participant
3	workshop “DNA Barcoding & Genetic Diversity”	17th September to 1st October, 2019 (15 days)	University of Kalyani, Kalyani, West Bengal	Participant
4	21 days Online GIS Training Program using QGIS	13 th July to 02 nd August, 2020 (21 days)	Department of Geography, School of Earth Science, Central University of Karnataka	Participant
5	Online training on ‘Pesticide Application Techniques and Safety Measures’	13th to 17th September, 2021	NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT Rajendranagar, Hyderabad	Participant
6	“Natural Farming: Present Status and Future Prospects”	28 th August to 10 th September, 2023	Organized by CAU, Manipur & NAHEP, ICAR at College of Agriculture, Kyrdemkulai, Meghalaya	Participant

**19. SEMINAR/ SYMPOSIUM/ WORKSHOP etc
ATTENDED**

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	National Seminar on “Sustainable Agriculture for Food Security and Better Environment”	17 th to 18 th December, 2015	Department of Agronomy, BCKV	Participant
2	National Seminar on “Resource Based Inclusive Agriculture & Rural Development: Opportunities & Challenges”	15 th to 16 th January, 2016	IRDM, Ramakrishna Mission Vivekananda University	Participant
3	National Seminar on “Environmental Concern for Fertilizer Use in Future”	26 th February, 2016	Society for Fertilizers and Environment and BCKV	Participant

4	National Symposium on “Impact of Climate Change, Biodiversity and Good Plant Protection Practices on Crop Productivity” on	22 nd and 23 rd December, 2016	Association for Advancement in Plant Protection, BCKV	Participant
5	National Symposium on “Agriculture and Food Production: Today and Tomorrow”	22 nd to 24 th February, 2017	The Agricultural Society of India	Participant
6	International Conference on “Contemporary Issues in Integrated Climate- The Emerging Areas of Agriculture, Horticulture, Biodiversity, Forestry; Engineering Technology, Fundamental/ Applied Science and Business Management for Sustainable Development (AGROTECH-2017)”	11 th and 12 th May, 2017	Himalayan Scientific Society for Fundamental and Applied Research in collaboration with Kalimpong Science Centre, Kalimpong and UBKV	Participant
7	Participated one day technical webinar on “Integrated Pest Management for Maize crops with special reference to fall armyworm”	09.10.2020	ICAR-IIMR, Ludhiana, on virtual mode.	Participant
8	International Conference (Online) on Agriculture, Biology, and Life Sciences	25 th to 26 th September, 2021	Vidya Kutir Foundation, New Delhi	Participant
9	National Symposium on Strategies for Improving Agricultural Productivity and Farmer’s Incomer in the Context of Climate Change	16 th to 18 th December 2023	The Agricultural Society of India, IAS, University of Calcutta, Kolkata	Participant
10	National Seminar on “Agriskills towards Nutritional Security and Sustainability”	20 th April 2024	Department of Agriculture, Brainware University	Participant

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

- Awarded NATIONAL SCHOLARSHIP 2002-2003 of the Government of India for the result of Higher Secondary Examination 2002 under W.B.C.H.S.E.

21. PUBLICATIONS

A. MANUAL

S. Jha and P. Debnath, (2017) A manual on Integrated Pest Management; Published by Department of Agril Entomology, BCKV; pp. 1-91

B. BOOK CHAPTERS

Roy, D. and Debnath, P. (2018) Mite Problems in Vegetable Crops: Strategies to Combat by Ecofriendly Methods; pp 113-153 (Book title: Modern Approaches for pest management in vegetable crops Editor: T. Saha, Anil, N. Chandran & T.N. Goswami Publisher: Satish Serial Publishing House)

Dey, S. and Debnath, P. (2021) Climate Smart Insect pest management: Promising tool for future agriculture; pp 219-230 (Book title: Climate Change Dimensions and Mitigation Strategies for Agricultural Sustainability, Vol. I; Editor: S. R. Choudhury & C. K. Panda Publisher: New Delhi Publishers, New Delhi)

Dey, S., Roy, D., Debnath, P. and Mandal, A.K. (2022) Role of endophytes in insect pest management; pp 55-74 (Book title: Plant Protection: Present Developments and Future Strategies. Editor: S. Banik & J. Halder; Publisher: Today & Tomorrow's Printers and Publishers)

Ghosh, I. and Debnath, P. (2023) Social insects, Apiculture, Silkworm and Lac insects; pp 171-192 (Book title: Recent Advances in Agricultural Entomology; Chief Editor: Dr. Sushil Kumar; Publisher: SR edu publications)

Pramanik, K., Layek, A. and Debnath, P. (2023) Pest Outbreak and Climate Change; pp 23-40 (Book title: Plant Protection: Present Developments and Future Strategies. Editor: S. Banik & J. Halder; Publisher: Today & Tomorrow's Printers and Publishers)

Pramanik, K., Layek, A., Mandal, D., Debnath, P., & Roy, D. (2022) Potential Interaction of Phorid Fly *Megaselia scalaris* (Loew) with Various Economically Important Arthropod Fauna. Pp. 149–164. (Book title: Research Highlights in Agricultural Sciences Vol. 4, Editor: C.C. Chang; Publisher: BP International) <https://doi.org/10.9734/bpi/rhas/v4/4527A>

Layek, A., Pramanik, K., Seal, S., Mandal, D. and Debnath, P. (2023) Drones: A novel technology for sustainable pest and disease management in horticultural crops; pp 121 – 133 (Book title: Handbook of Horticulture, Editor: K. Chakraborty; Publisher: Shriyanshi Prakashan)

C. RESEARCH PAPERS (Best 10)

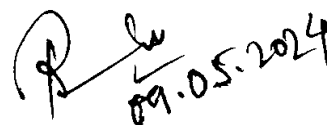
Debnath, P. and Karmakar, K. (2013) Garlic mite, *Aceria tulipae* (Keifer) (Acari: Eriophyoidea) a threat for garlic in West Bengal, India. International Journal of Acarology. 39:2, 89-96

Karmakar, K. Debnath, P. and Patra, S. (2014) Etoxazole: A new novel acaricide molecule for effective management of tea red spider mite, *Oligonychus coffeae* (Nietner). Research on Crops, 15 (3): 662-669.

Debnath, P. and Karmakar, K. (2015) Description of a new species of Phyllocoptura (Acari: Eriophyoidea) on *Azadirachta indica* from West Bengal, India. Persian Journal of Acarology, 4 (3): 297–304.

Debnath, P. and Karmakar, K. (2016) Eriophyoid mites From Eastern India: Description of three new species (Acari: Eriophyoidea). Zootaxa. 4061, (5): 553–568.

- Karmakar, K. and Debnath, P. (2016) Impact of organic-inorganic nutrients combination in rice on the occurrence of *Steneotarsonemus spinki* Smiley (Acari: Tarsonemidae) in West Bengal, India. *Persian Journal of Acarology*, 5 (1): 71-80
- Debnath P. and Roy, D. (2018) First Record of *Megaselia scalaris* (Loew) as a Potential Facultative Parasitoid of *Apis mellifera* in India. *Asian Journal of Biology*, 7(1): 1-9
- Pal, S. and Debnath, P. (2020) Seasonal incidence of major insect pests and predators of mustard in lower gangetic plains of West Bengal. *Journal of Entomology and Zoology Studies*, 8(6): 1424-1430
- Debnath, P. and Pal, S. (2021) Population dynamics of mustard aphids (*Lipaphis erysimi*) with relation to some micro-meteorological parameters. *Journal of Pharmacognosy and Phytochemistry*, 10(1): 879-884
- Pramanik, S., Debnath, P., Pandit, M. K., Gupta, A. K. and Naskar, M. K. (2022) Fruit fly species diversity, population dynamics and infestation rate during fruiting season of snake gourd. *South African Journal of Botany*, 145: 303-312
- Dey, S. & Debnath, P. (2024) Descriptions of two new species of eriophyoid mites (Acari, Eriophyoidea) from New Alluvial Zone, West Bengal, India. *Persian Journal of Acarology*, 13(2): 243–251.

A handwritten signature in black ink, followed by the date '09.05.2024' written below it.

Signature with Date