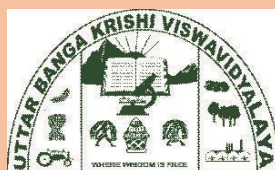


ANNUAL REPORT (2024-25)

Department of Agricultural Entomology



Faculty of Agriculture
UTTAR BANGA KRISHI VISWAVIDYALAYA
PUNDIBARI, COOCHBEHAR – 736165
West Bengal, India

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Executive summary of the Department of Agril. Entomology (2023-24)

1.1 INTRODUCTION:

The department of Agril. Entomology, earlier, existed under the North Bengal Campus of Bidhan Chandra Krishi Viswavidyalaya (BCKV). It was located at Gram Sevak Training Centre at Cooch Behar, West Bengal since 1979. At that time only the undergraduate courses were catered. PG programmes were not offered till 1998. After that M.Sc. (Ag.) programme with an intake capacity of five (05) students was introduced from 1999.

The full-fledged Department of Agricultural Entomology started functioning with the establishment of Uttar Banga Krishi Viswavidyalaya in February, 2001. Since the establishment of the university in 2001 both the undergraduate and post graduate courses (M.Sc. and Ph.D.) have been introduced.

1.2 Objectives

- a) Conducting instructional programme to the Under Graduate, post-Graduate and Ph.D. students through theory and practical trainings to develop and supply best human resources in the field of agriculture and allied sciences to compete in job market.
- b) To carry out and supervise fundamental, academic and applied researches for the development of science for ultimate benefit to the farming community with keen attention towards restoration of health, environment and right to get residue free food stuff.
- c) Imparting training and visit to the farmers field with the students for the benefit of teachers and students to perceive the current on-farm problems and also to provide advisory with most modern technologies for mitigation.
- d) Restoring democratic environment and to maintain corporate life in integrity among the members of the Department for better teaching-learning processes.
- e) To maintain sustained effort towards improving teaching methodology befitting course-curriculum for imparting best knowledge to the students.

2. Teaching

The Department has catered different courses for Under Graduate Agriculture and Horticulture students as per VIth Dean Committee during the tenure 2024-25. The details of the courses like Course Number, Course Name, Semester for which the course was offered, Credit hours of the course and the Faculties associated with the said courses are given in the following Table –

2.1 Under Graduate Courses

Sl. No.	Course Number	Course Name	Semester	Credit Hour	Faculties associated
1.	ENT-151	Fundamentals of Entomology	2 nd	3 + 1	Prof. S. K. Sahoo, Prof. N. Laskar, Dr. D. Chakraborty & Prof. N. Chaudhuri
2.	ENT-152	Fundamentals of Entomology	2 nd	2 + 1	Prof. S. K. Sahoo, Prof. N. Laskar & Prof. N. Chaudhuri
3.	ENT-201	Nematode Pests of Horticultural Crops & their Management	3 rd	1 + 1	Prof. J. Ghosh & Dr. P. Sarkar
4.	ENT-251	Insect Pests of Fruits, Plantation, Medicinal & Aromatic Crops	4 th	2 + 1	Prof. S. Pal, Dr. M. Chatterjee & Dr. D. Chakraborty
5.	ENT-301	Pests of Crops and Stored Grains & their Management	5 th	2 + 1	Prof. N. Laskar, Prof. S. K. Senapati and Dr. D. Chakraborty
6.	ELC-302	Biopesticides & Biofertilizers	5 th	2 + 1	Prof. S. K. Sahoo & Dr. D. Chakraborty
7.	ENT-351	Management of Beneficial Insects	6 th	1 + 1	Prof. J. Ghosh & Dr. M. Chatterjee
8.	ENT-352	Insect Pests of Vegetables, Ornamental and Spice Crops	6 th	2 + 1	Prof. N. Laskar, Prof. S. Pal & Dr. M. Chatterjee
9.	ENT-353	Sericulture, Apiculture & Lac culture	6 th	1 + 1	Prof. T. K. Hath & Prof. J. Ghosh
10.	PPA-352	Principles of Integrated Pest & Disease Management	6 th	2 + 1	Dr. P. Sarkar

2.2 Post Graduate Courses:

2.2.1 for M.Sc. students

Sl. No.	Course Number	Course Name	Semester	Credit Hour	Faculties associated
1.	ENT-501	Insect Morphology	1 st	2 + 1	Prof. N. Laskar & Prof. S. Pal
2.	ENT-502	Insect Anatomy & Physiology	1 st	2 + 1	Prof. N. Chaudhuri & Dr. M. Chatterjee
3.	ENT-503	Insect Taxonomy	1 st	1 + 2	Prof. S. K. Sahoo & Prof. S. Pal
4.	ENT-504	Insect Ecology	2 nd	2 + 1	Prof. N. Chaudhuri & Dr. M. Chatterjee
5.	ENT-505	Biological Control of Insect Pests & Weeds	2 nd	2 + 1	Prof. T. K. Hath & Prof. S. K. Sahoo
6.	ENT-506	Toxicology of Insecticides	2 nd	2 + 1	Dr. D. Chakraborty & Dr. M. Chatterjee
7.	ENT-507	Host Plant Resistance	2 nd	1 + 1	Prof. N. Laskar
8.	ENT-508	Concepts of IPM	1 st	2 + 0	Prof. N. Laskar & Prof.

					S. K. Senapati
9.	ENT-509	Pests of Crops and Stored Grains & their Management	3 rd	2 + 1	Prof. N. Laskar, Prof. T. K. Hath & Dr. D. Chakraborty
10.	ENT-513	Principles of Acarology	3 rd	1 + 1	Prof. J. Ghosh & Dr. M. Chatterjee
11.	ENT-516	Apiculture & Sericulture	2 nd	1 + 1	Prof. T. K. Hath & Prof. J. Ghosh
10.	PPA-504	Plant Nematology	1 st	2 + 1	Prof. J. Ghosh & Dr. P. Sarkar

2.2.2 for Ph.D. students

Sl. No.	Course Number	Course Name	Semester	Credit Hour	Faculties associated
1.	ENT-601	Insect phylogeny & Systematics	1 st	1 + 2	Prof. S. K. Sahoo, Prof. N. Chaudhuri & Prof. S. Pal
2.	ENT-602	Insect Physiology & Nutrition	1 st	2 + 1	Prof. T. K. Hath, Prof. N. Chaudhuri & Dr. M. Chatterjee
3.	ENT-603	Insect Ecology & Diversity	2 nd	1 + 1	Prof. N. Chaudhuri & Dr. M. Chatterjee
4.	ENT-604	Insect Behaviour	2 nd	1 + 1	Prof. J. Ghosh & Prof. N. Chaudhuri
5.	ENT-605	Bio-inputs for Pest Management	3 rd	2 + 1	Prof. T. K. Hath & Prof. S. K. Sahoo
6.	ENT-606	Insect Toxicology & Residues	1 st	2 + 1	Prof. J. Ghosh & Dr. M. Chatterjee
7.	ENT-607	Plant Resistant to Insects	1 st	2 + 0	Prof. N. Laskar & Prof. S. K. Senapati
8.	PPA-504	Plant Nematology	1 st	2 + 1	Prof. J. Ghosh & Dr. P. Sarkar

2.3 PG Student completed degree:

2.3.1 M.Sc. (Ag)

SL No	Name of the student	Gender	Home state	Supervisor	Title of the thesis
1.	Abhirup Ghosh	M	West Bengal	Prof. S. K. Sahoo	Field Evaluation of indigenous strain of <i>Beauveria bassiana</i> (UBKV-Bb-1) against insect pests of cabbage and mustard.
2.	Jafril Hamsika	F	Tamil Nadu	Prof. N. Chaudhuri	Incidence and Feeding Preference of Jute Hairy Caterpillar <i>Spilosoma obliqua</i> (Walker) (Lepidoptera: Arctiidae)
3.	Krishnakripa, A.M.	F	Kerala	Dr. M. Chatterjee	Egg Parasitoid Complex of Rice Yellow Stem Borer – A Comprehensive Study

4.	Rajath, H. S.	M	Karnataka	Prof. J. Ghosh	Evaluation of Some Indigenous Plant Leaf Extracts as A Grain Protectant against <i>Callosobruchus chinensis</i> (Coleoptera: Bruchidae)

2.3.2 Ph. D.

SL No	Name of the Student	Gender	Home state	Supervisor	Title of the thesis
1.	Debanjan Chakraborty	M	West Bengal	Prof. S. K. Sahoo	Studies on Bio-ecology of Invasive Whitefly species in Sub-Himalayan West Bengal.
2.	Sagar Tamang	M	-Do-	Prof. T. K. Hath	Incidence of yellow mite <i>Polyphagotarsonemus latus</i> Banks and its safe management.

2.4 Existing PG students along with the name of supervisor

2.4.1 M.Sc. students

SL No	Name of the student	Gender	Home State	Supervisor	Title of Thesis
1.	Ankan Chakraborty	M	West Bengal	Prof. T. K. Hath	Not Yet Finalised
2.	Argha Samanta	M	-Do-	Dr. D. Chakraborty	
3.	Maitri Sarkar	F	-Do-	Dr. P. Sarkar	
4.	Snehasis Das	M	-Do-	Prof. N. Laskar	
5.	Telugu Mohan Kumar	M	Andhra Pradesh	Prof. S. Pal	

2.4.2 Ph.D. students

SL No	Name of the student	Gender	Home state	Supervisor	Title of the thesis
1.	Prapti Panja	F	West Bengal	Dr. M. Chatterjee	Not Yet Finalised
2.	Shubhayan Dutta	M	-Do-	Prof. N. Laskar	
3.	Abin Ghosh	M	-Do-	Dr. W. Reja	
4.	Anik Bhattacharya	M	-Do-	Dr. B. Patra	
5.	Tapas Kumar Hembram	M	West Bengal	Prof. T. Dhar	Study on Feeding Preference and Digestive Physiology of <i>Spodoptera frugiperda</i> (Smith) and <i>Spodoptera Litura</i> (Fab.) on Different Hosts.
6.	Riju Nath	M	West Bengal	Prof. S. K. Senapati	Study on pollinators under Terai Agro- climatic Region of West Bengal.
7.	Pousabh Das	M	West Bengal	Dr. W. Reza	Key Insect-pest and their Management at Different Growth Stages of Paddy (<i>Oryza sativa</i> L.) in Terai Region of West Bengal
8.	Deepika Gadaily	F	Sikkim	Prof. T. Dhar	Studies on Insect-pest and Natural Enemy Biodiversity in Cabbage (<i>Brassica oleracea</i> var. <i>capitata</i> L.) under Terai Zone of West Bengal
9.	Toge Riba	M	Arunachal Pradesh	Prof. N. Chaudhuri	Pest Constraints of Litchi (<i>Litchi chinensis</i> Sonn) at Different Agro-climatic Sub-region of Zone-II (India)
10.	Abhijit Bhadra	M	West Bengal	Dr. W. Reza	Studies on relative efficacy of new chemical pesticides against soybean (<i>Glycine max</i> L.) pests vis-à-vis their seasonal incidence and subsequent effect on oil and protein content

11.	Adrish Dey	M	West Bengal	Prof. N. Laskar	Assessment of spatio-temporal variation in bee-forage in West Bengal through melisso-palynological investigations.
12.	Dosa Rajeswari	F	Telengana	Prof. S. Pal	Pest complex of Maize and their sustainable management
13.	Sanjoy Samanta	M	West Bengal	Prof. S. K. Senapati	Studies on insect fauna with reference to pests and pollinators acting upon ridge gourd (<i>Luffa acutangula</i> L. Roxb.) in Terai region of West Bengal
14.	Subham Kr. Sarkar	M	West Bengal	Prof. J. Ghosh	Diversity, population dynamics and basis of resistance against pod borer complex of redgram (<i>Cajanus cajan</i> L. Millsp.) under Terai zone of W.B.
15.	Swagata Bhowmik	F	Tripura	Prof. S. K. Sahoo	Studies on aphid faunal diversity in field crops particularly cereals, pulses and oilseeds with special reference to seasonal abundance of aphid species of field pea and mustard
16.	Keerthana B	F	Tamil Nadu	Prof. N. Chowdhury	Gut microbiome mediated insecticidal responses in fall armyworm <i>Spodoptera frugiperda</i> J. E. Smith of Maize
17.	Mrinal Karjee	M	West Bengal	Dr. P. Sarkar	Identification and distribution of root knot nematode (<i>Meloidogyne</i>) species and races infecting Medicinal Plants in the foot hills of Eastern sub-Himalayas
18.	Samrat Saha	M	West Bengal	Prof. T. Dhar	Physico-chemical and Nutraceutical Characterization of West Bengal Honey
19.	Soheli Sarkar	F	West Bengal	Prof. T. K. Hath	Studies on the biophysical and biochemical bases of resistance in brinjal genotypes (<i>Solanum melongena</i> L.) against <i>Leucinodes orbonalis</i> Guen.
20.	A. Sankeerthana	F	Telengana	Prof. S. K. Sahoo	Biodiversity of Hymenopteran parasitoids in different Ecosystem of West Bengal
21.	Sogala Manohar	M	Telengana	Dr. B. Patra	Studies on Insecticide Resistance in <i>Aphis gossypii</i> Glover on Okra
22.	Md. Sharafat Ali	M	West Bengal	Prof. J. Ghosh	Diversity of important Mite

					Pests, their Biology, Population Dynamics and Sustainable Management on Marigold (<i>Tagetes</i> sp.) at the Terai Zone of West Bengal
23.	Gouri Sankar Nandi	M	West Bengal	Prof. S. K. Senapati	Insect Pest Complex under Different types of Framing – A Comparative Study
24.	Jeyashree, J.	F	Puducherry	Prof. S. Pal	Utilising Coccinellid Predators for the Sustainable Management of Potato Aphid, <i>Myzus persicae</i> (Sulzer): Ecological, Functional and Molecular Insights under Cold Storage
25.	Narayan Chandra Pal	M	West Bengal	Dr. P. Sarkar	Identification and Distribution of Root Knot Nematode species (<i>Meloidogyne</i> spp.) associated with Tea Growing Zones of West Bengal

3. RESEARCH

3.1 Area of research:

The Department of Agril. Entomology has directed research activity on various aspects in the following way –

- * Crop-pest based research
- * Fundamental research like species identification, morphological studies, taxonomical studies including application of molecular approaches.
- * Formulation of IPM modules for different crop and pests
- * Mass production, release and maintenance of biological agents
- * Productive insect based research like honey bee, silkworm etc.
- * Management of nematodes and mites pests of different crops

3.2 Scholarships/Stipends/Fellowship, NET and Employment:**3.2.1 M.Sc. students**

Sl. No.	Name of the students	Name of the Scholarship	Amount/Year (Rs.)
1.	Telugu Mohan Kumar	National Talent Scholarship	60,000/-

Sl. No.	Name of the students	NET Qualified (UGC/ICAR)	Employed in
1.	----	----	----

3.2.2 Ph.D. students

Sl. No.	Name of the students	Name of the Scholarship	Amount/month (Rs.)
8.	A. Sankeerthana	Swami Vivekananda Merit-cum-Means Scholarship	8,000/- per month
3.	Abin Ghosh	Swami Vivekananda Merit-cum-Means Scholarship	8,000/- per month
11.	Gouri Sankar Nandi	University Research Scholar	18,000/- per Month
12.	Jeyashree, J.	Swami Vivekananda Merit-cum-Means Scholarship	8,000/- per month
4.	Keerthana B	-Do-	8,000/- per month
10.	Md. Sharafat Ali	University Research Scholar	18,000/- per Month
5.	Mrinal Karjee	Project Fellow	18,000/- per month
13.	Narayan Chandra Pal	University Research Scholar	18,000/- per month
1.	Prapti Panja	University Research Scholar	18,000/- per month
6.	Samrat Saha	University Research Scholar	18,000/- per month
2.	Shubhayan Dutta	-Do-	18,000/- per month
9.	Sogala Manohar	Project Fellow	18,000/- per month
7.	Soheli Sarkar	University Research Scholar	18,000/- per month

3.2.3 Students employed/NET Qualified

Sl. No.	Name of the students	Employed in	NET Qualified (UGC/ICAR)
1.	Atanu Majhi	Market Development Executive in JU Agri-Sciences Private Limited	----
2.	Sanjay Samanta	R & D, IFFCO MC Crop Sciences Private Limited	----
3.	Riju Nath	Marketing Executive in GSP Crop science Limited	----
4.	Subham Kr. Sarkar	Marketing and Development Officer in JU Agri Sciences Pvt. Ltd.	----

3.3 Involvement of teachers in various research projects:

SL. No.	Name of the projects/ scheme	Name of the P.I.	Year of commencement	Funding Agency	Total Budget (Rs. in Lakh)
1.	AICRP on Biological Control of Crop Pests and Diseases	Prof. S. K. Sahoo	2018	ICAR- NBAIR (Contingency Centre)	6.45
2.	Bio-efficacy, Phytotoxicity and Residue analysis of CEI 315 & CTC 75 in Paddy	Prof. J. Ghosh	2024	Chemly Agritech Private Limited	6.16
3.	Bio-efficacy trail of PIPL-23001 against major insect pest of Paddy, Groundnut & Sugarcane.	-Do-	2023	Parijat Industries (India) Private Limited	7.98
4.	Bio-efficacy trail of PIPL-1024 against major pest of Paddy.	-Do-	2023	-Do-	2.66
5.	Bio-efficacy, trail of PIPL 0015/24 against major pests of chilli & cotton.	-Do-	2024	-Do-	5.60
6.	Bio-efficacy, trail of PIPL 23007 against major lepidopteran pests of chilli & cotton.	-Do-	2024	-Do-	5.60
7.	Evaluation of bio-efficacy and phytotoxicity of Etoxazole 6% + Abamectin 1.5% SC infesting Chilli	Prof. N. Laskar	2023	M/S Sumitomo Chemicals India Ltd.	5.60
8.	Bioefficacy, phytotoxicity and effect on natural enemies of Monocrotophos 15% SG on wheat	-Do-	2023	M/S United Phosphorus Ltd.	3.78
9.	Evaluation of Abamectin 0.7% + Spirotetramat 9.6% + Diafenthuron 31.3% SC” [Code: JU (3) VI-	Dr. M. Chatterjee	2024	JU Agri Sciences Private Limited JU	5.88

	070931]” on Tomato Crop				
10.	Evaluation of Emamectin Benzoate 2.90% + Bifenthrin 3.3% + Cartap hydrochloride 29.2% WP” [Code: JU (3) PI-020329]” insecticide on Tomato crop.	-Do-	2024	JU Agri Sciences Private Limited JU	5.88
11.	Evaluation of Emamectin Benzoate 2.90% + Bifenthrin 3.3% + Cartap hydrochloride 29.2% WP” [Code: JU (3) PI-020329]” insecticide on Rice (Paddy).	-Do-	2024	JU Agri Sciences Private Limited JU	5.88

4. Extension Activities

Several training programmes were organised under the extension activities during 2024-25. These are as follows –

1. Training cum input distribution programme was organised for tribal farmers under AICRP-Biological control on 27.11.2024 at Singimari, Patlakhawa (No. of beneficiaries-40).
2. Training programme for tribal farmers was conducted under AICRP-Biological control on 18.02.2025 at Swami Vivekananda Auditorium, UBKV, Pundibari (No. of beneficiaries-60).
3. Training cum input distribution programme was conducted for tribal farmers under AICRP-Biological control on 26.03.2025 at Dalgaon, Jateshwar, Falakata, Alipurduar district (No. of beneficiaries-50).

4. INFRASTRUCTURAL FACILITIES

Sl. No.	Infrastructure	Number	Facilities Available
a)	Seminar Hall cum classroom	01	AC, Internet Connectivity and LED Monitor for display/presentation, Video Conferencing facility
b)	Molecular Entomology Laboratory	01	Thermal Cycler PCR, Gel Electrophoresis, Deep Freezer, Transilluminator, Digital Hot Water Bath and Micro Centrifuge
c)	Insect Taxonomy and Morphology Laboratory	01	Stereo-Zoom Microscopes with imaging facility (Binocular/Trinocular: 07), Hot Air Oven and BOD
d)	Biological Control Laboratory	<u>01</u>	Corcyra rearing cage, Corcyra egg laying cage, Hot Air Oven, UV chamber, Bioagent culture, Autoclave and refrigerator.
e)	Acarology Laboratory	01	Under progress
f)	UG Laboratory (Fundamentals of Entomology)	01	Simple and Compound Microscopes (30 each)
g)	Insect Museum	01	Collection of insects belonging to different orders featuring an aesthetic appeal
h)	PG Laboratory	01	Laminar Air Flow, Hot Air Oven and other Instruments and Equipments related to PG Research

6. FACULTY AND STAFF POSITION

6.1 Faculty

Sl. No	Name	Designation	Specialisation	Contact details
1.	Dr. S. K. Senapati (Posted through Drafting)	Professor	Economic Entomology	Ph. No. 9434191444 Email: sksubkv@rediffmail.com
2.	Dr. T.K. Hath	Professor	Economic Entomology	Ph.No.9434685670 Email: tapanhath@gmail.com
3.	Dr. Jaydeb Ghosh	Professor	Economic Entomology and Acarology	Ph.No.9434483767 Email: jaydebubkv@yahoo.com
4.	Dr. N. Laskar	Professor	Economic Entomology	Ph. No. 9434483855 Email: nripendralaskar@yahoo.co.in
5	Dr. S. K. Sahoo	Professor	Economic Entomology	Ph.No.9647255868 Email: shyamalsahoo@gmail.com
6.	Dr. M. Chatterjee	Assistant Professor	Economic Entomology and Acarology	Ph.No.9679350517 Email: moulita.2014@gmail.com
7.	Dr. D. Chakraborty	Assistant Professor	Economic Entomology	Ph.No.9647800589 Email: debanjan.ubkv@gmail.com

6.2 Non-teaching Staff

Sl. No.	Name	Designation	Specialisation	Contact details
1.	Dr. T. K. Ghosal	Superintendent (Tech.)	Associated in practical classes	Ph.No.9474521381 Email: drtkghosal@gmail.com
2	Sri Subrata Dhar	Lab Attendant	Maintenance of files, lab attendant, letter distribution	Ph. No. 6297793652

7. PUBLICATION

7.1 Research Articles

Sl. No.	Title (Whether from M.Sc. or Ph.D. Work)	Author(s)	Journals with NAAS Rating/Other rating
1.	Seasonal incidence of leaf webber on different rejuvenated mango cultivars in Sub-Himalayan terai region of West Bengal, India. (2024) Ph.D. thesis	Polu, P., Bhowmick, N. and Sahoo, S.K.	<i>Plant Archives</i> (2024), 24 (02): 71-74. NAAS rating 5.59 (ISSN: 0972-5210)
2.	First report of <i>Carpophilus dimidiatus</i> (Fabricius) (Coleoptera; Nitidulidae) in stored groundnut and field maize from West Bengal, India. (2024) M.Sc. thesis	Chakraborty, D., Dutta, S., Chatterjee, M., Sahoo, S.K. and Hath, T.K.	<i>Journal of Scientific Research and Reports</i> , 30 (10): 618-624. NAAS rating 5.17 (ISSN: 2320-0227)
3.	Assessment of Behavioral and Palynological Attributes of <i>Apis mellifera</i> L. foragers in a Mustard Ecosystem M.Sc. thesis	Nath, R. Saha, S. and Laskar, N.	<i>Sociobiology</i> (2024) 71 (4): e10451 NAAS rating 6.70 (ISSN: 0361-6525)
4.	Seasonal Incidence of Asian Bee Eater, <i>Merops orientalis</i> L. on <i>Apis mellifera</i> Linn. Under Terai Agro-ecological region of West Bengal Ph.D. thesis	Singha, S., Saha, S., Nath, R. and Laskar, N.	<i>Indian Journal of Ecology</i> (2024), 51 (4): 872-876 NAAS rating 5.38 (ISSN: 0304-5250)
5.	Insights to the entomophagic and entomotherapeutic traditions among the tribes of the sub-Himalayan West Bengal Ph.D. thesis	Pokhrel, P., Saha, S., Nath, R., Subba, B., Mandal, S. and Laskar, N.	<i>Journal of Insects as Food and Feed</i> (2025) IF 3.5 ISSN: 2352-4588
6.	Incidence and Demographic parameters of <i>Lipaphis erysimi</i> (Kaltenbarch) on rapeseed-mustard in Terai agro –ecological regions of West Bengal. M.Sc. thesis	Sarkar, S. K., Saha, S., Nath, R., Ghosh, A., Chaudhuri, N., Ghosh, J. and Senapati, S. K.	<i>Journal of Environmental Biology</i> (2025), 46 (1): 66-76 NAAS rating 6.70 (ISSN: 0254-8704)
7.	Evaluation of Emamectin Benzoate 5% SG for control of fruit & shoot borer in Brinjal in the Terai region of West Bengal. Ph.D. thesis	Reza, Md. W., Ghosh, J. , Poddar, P. and Gurung, B.	<i>Asian Journal of Advances in Agricultural Research</i> , (2024), 24 (7): 91-100 NAAS rating 4.35 (ISSN: 2456-8864)
8.	Bio-efficacy impact of botanical powders against <i>Callosobruchus chinensis</i> infesting different stored pulses: A review Ph.D. thesis	Mounika, T., Vardhan, P. N. H., Hath, T. K. and Badavath, A.	<i>Environment Conservation Journal</i> , 26 (1): 264–273 (2025). NAAS rating 5.66 (ISSN: 2278-5124)

9.	Seasonal incidence of <i>Diaphorina citri</i> Kuwayama in Assam Lemon and its relationship with weather factors in sub-Himalayan plains of West Bengal) Ph.D. thesis	Debbarma, T., Hath, T. K., Gupta, D. S. and Bhowmik, S.	<i>American Journal of Plant Sciences</i> (2024), 15 (12): 1222-1237 Non-NAAS Rated (ISSN: 2158-2742)
10.	Arthropod Richness and Abundance in Brinjal Crop Ecosystems M.Sc. thesis	Mamatha, T., Hath, T. K. , Kasi, I. K. Suprakash Pal, S. and Mandal, P.	<i>Uttar Pradesh Journal of Zoology</i> (2024), 45 (23): 10-21. NAAS rating 5.24 (ISSN: 0256-971X)
11.	Pest complex of Brinjal Crop (<i>Solanum melongena</i> L.): Pest Management with Botanical Insecticides Comparing Imidacloprid 17.8 SL M.Sc. thesis	Mamatha, T., Hath, T. K. , Kasi, I. K. Suprakash Pal, S. and Mandal, P.	<i>Journal of Experimental Agriculture International</i> (2024), 46 (12): 618-627. NAAS rating 5.14 (ISSN: 2457-0591)
12.	Susceptibility of Aromatic and Non-aromatic Rice to <i>Sitophilus oryzae</i> L. and their Influence on the Insect and Infestation Rate under Sub Himalayan Plains of West Bengal. M.Sc. thesis	Bhowmik, S., Hath, T. K. , Maji, A. and Debnath, M. K.	<i>Journal of Experimental Agriculture International</i> , 46 (10): 494-505 (2024). NAAS rating 5.14 (ISSN: 2457-0591)
13.	Seasonal incidence, damage potential of citrus leaf mining beetle (<i>Podagricomela nigripes</i> Medvedev) in Assam Lemon and its relationship with weather factors in sub Himalayan plains of West Bengal. Ph.D. thesis	Debbarma, T., Gupta, D. S. and Hath, T. K.	<i>B. N. Seal Journal of Science</i> (2024), 10 (1): 86-93. Non-NAAS rated journal (ISSN: 0975-5624)
14.	Physico-chemical characters of some native rice cultivars and their relationship with infestation of key insect-pests under terai zone of West Bengal (India) Ph.D. thesis	Supriya Biswas & Tapan Kumar Hath	<i>B. N. Seal Journal of Science</i> (2024), 12 (1): 19-28. Non-NAAS rated journal (ISSN: 0975-5624)

7.2 Book

Sl. no.	Title	Editors	Detail of Publication
1.	----	----	----

7.3 Bulletin

Sl. No.	Title	Authors	Detail of Publication
1.	----	----	----

7.4 Popular Article

Sl. No.	Title	Authors	Detail of Publication
1.	----	----	----

8. SYMPOSIUM/ TRAININGS/ SEMINARS ATTENDED AND ORGANISED:

Sl. No.	Topic of seminar (Attended by)	Venue and Date	Duration	National/ International	Funding Agency/Organiser (ICAR/Other)
1.	Multidisciplinary Approaches for Sustainable Agriculture: Retrospects and Prospect (Prof. N. Laskar)	COA, Majhian, UBKV 24.02.2024 to 25.02.2024	One Day	National	UBKV
2.	Editor's Workshop – Enabling A Research Ecosystem (Prof. T. K. Hath)	Virtual Mode 24.09.2024	One day	National	Elsevier and ICAR

9. MEMBER OF ACADEMIC SOCIETIES

Sl. No.	Name of the Faculty	Name of the Academic Society
1.	Prof. J. Ghosh	COBACAS Society for Biocontrol Advancement (SBA) Crop and weed science society
2.	Prof. T. K. Hath	COBACAS Society for Plant Protection and Environment (OUAT) Insect Study and Conservation Network (Bangalore) BN Seal Journal of Science
3.	Prof. N. Laskar	Society for Biocontrol Advancement (SBA)
4.	Prof. S. K. Sahoo	COBACAS Entomological Society of India Society for Biocontrol Advancement (SBA)
5.	Dr. M. Chatterjee	COBACAS Crop and Weed Science Society Association for Pest Management in Horticultural Ecosystems Agri India Today

6.	Dr. D. Chakraborty	COBACAS
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10. OTHER ACTIVITIES AND ACHIEVEMENTS

(Co-curricular, Extension and Professional Development related Activities)

Sl. No.	Acted as Resource Person (Topic) /Delivered Lectures (Topic)/ Reviewer of Research Paper(s) in Journal	Date(s) of Activities/ Name of Journal	Funding Agency/ Organiser (ICAR/Other)/ Organisation invited for Lectures or Details of Journal
1.	Training cum input distribution programme for tribal farmers related to Biological control at Singimari (Coochbehar) and Dalgaon (Alipurduar) (Prof. S. K. Sahoo, Dr. M. Chatterjee and Dr. D. Chakraborty)	27 th November, 2024 and 26 th March, 2025	AICRP Biocontrol (UBKV Centre)
2.	Training programme for tribal farmers on Biological Control at UBKV, Pundibari (Prof. S. K. Sahoo, Dr. M. Chatterjee and Dr. D. Chakraborty)	18 th February, 2025	AICRP Biocontrol (UBKV Centre)

11. CURRICULUM DEVELOPMENT & DELIVERY:

Study material and PPT on different entomological courses under UG and PG.

12. LINKAGES WITH ICAR INSTITUTES FOR ACADEMIC RESEARCH IF ANY:

Sl. No.	Purpose	Institute/Journal	No. of Teachers/ Academic Staff
1.	Thesis evaluator	CAU (Umiam, Meghalaya)	Prof. S. K. Sahoo Prof. N. Laskar
		B.C.K.V. (West Bengal)	Prof. J. Ghosh
2.	Evaluator (apart from Thesis)	Field Experiential Training (FET) of 112 th Foundation Course of ARS Probationers at Cooch Behar KVK, Pundibari (West Bengal)	Prof. S. K. Sahoo

13. TEACHER-STUDENT ACTIVITIES

Sl. No.	Activities performed by Faculties and students	Date(s) of Activities	Organizer
1.	Day-night Insect Collection Camp by the post-graduate students and the faculties at UBKV Campus	02 nd and 03 rd December (2024)	Department of Agril. Entomology, UBKV

Photographs

14.1 Orientation Related



Orientation of M.Sc. students on 25.11.2024



Orientation of Ph.D. students on 07.01.2025

14.2 Study related



Viva-voce of Practical Examination



Practical Class in Field

14.3 Evaluation related



Thesis Viva-voce of Shubhayan Dutta



Research Performance Evaluation of Rajath, H. S.

14.4 Field related



Insect collection camp within the campus



Demonstration of Bio-Intensive pest management in Tomato

14.5 Felicitation related



Felicitation of Prof. S. K. Sahoo as Head of the Department



Farewell of Prof. J. Ghosh as relieving Head



Felicitation of Ph.D. students



Felicitation of Dr. T. K. Ghosal, Superintendent (Tech.)

14.6 Training related



Training and distribution of inputs among tribal farmers



Training of M.Sc. Students from Acharya Brojendra Nath Seal College on 11.06.2024

14.7 Programme-celebration in Department related



**Compendium of Research Publication (2018-2023) Release
06.01.2025**



**Invited Lecture of Dr. M. K. Deka, AAU on 08.07.24 on
Solitary bees**