



PROFILE

Name: DR. PANKAJ NEOG

Current designation: Associate Professor (Level-13A)

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Contact address: Department of Entomology

School of Agricultural Sciences, Nagaland University

Medziphema-797106, Nagaland

Contact No: 8575263444/ 8638584507

Date of joining the institution: 10 – 09 - 1999

1. Education:

| Sl. No | Examination passed | Division with % of marks/OGPA | Year of passing | Board/University |
|--------|---------------------------|--|-----------------|---|
| 1 | H.S.L.C. | 1 st (71.06) | 1989 | Board of Secondary Education, Assam |
| 2 | H.S.(Science) | 1 st (62.20) | 1991 | Assam Higher Secondary Education Council |
| 3 | B.Sc.(Agri) | 1 st (71.80) / 7.18 | 1996 | Assam Agricultural University, Jorhat |
| 4 | M.Sc.(Agri) in Entomology | 1 st (78.80) / 7.88 | 1999 | Assam Agricultural University, Jorhat |
| 5 | NET (ICAR) | - | 2001 | Agricultural Scientist Requirement Board (ICAR) New Delhi |
| 6 | Ph.D. in Entomology | Title of thesis: Host preference of <i>Callosobruchus chinensis</i> (L.) to common stored pulses of Nagaland and efficacy of some botanicals as grain protectants | 2011 | School of Agricultural Sciences, Nagaland University, Medziphema Campus |

2. Professional Career:

| Designation | Scale of pay & present Basic & pay level | Name & address of employers | Period of Experience | | | Nature of work/ duties |
|----------------------------|--|---|----------------------|------------|-----------------------|---|
| | | | From date | To date | No. of years/ months | |
| Associate Professor | Rs. 131400/- Level-13A (AGP-Rs. 9000/-) | Vice Chancellor, Nagaland University | 14-02-2022 | Till date | | Teaching, research and extension |
| Assistant Professor | Rs. 92600/- Level-11 (AGP-Rs. 7000/-) | Vice Chancellor, Nagaland University | 09-10-2012 | 13-02-2022 | 9 years Four month | Teaching, research and extension |
| Senior Technical Assistant | Rs. 5500-175-9000/- (as per 5 th Pay Commission) | Vice Chancellor, Nagaland University | 10-09-1999 | 08-10-2012 | 13 years | Conducting practical classes in both UG and PG levels, managing lab and research farm and also in assisting post graduate students in conducting research experiments |

3. Research area/field of Specialization: Storage Entomology and Insecticide Toxicology

4. Teaching areas: Storage Entomology, Horticultural Entomology, Biological Control, Host plant resistance, IPM, Toxicology of Insecticides, Immature stages of Insects

5. Important Academic responsibility:

- i. In charge Examination Cell w.e.f. 31st January, 2020 to 05th February, 2022
- ii. Member in Research and Extension Cell (Crop Protection) w.e.f. 22 April, 2021 to 16th October, 2025

6. Publications:

A. Publication in Journals:

1. **Pankaj Neog** and M. M. Goswami (1999) Dissipation of Endosulfan residues in/on the fruits of lady's finger. *Journal of The Agricultural Science Society of North-East India*, **12** (2): 262-265.
2. M. Alemla Ao, H. K. Singh and **Pankaj Neog** (2003) Brown shield bugs devastate upland rice of Nagaland, India. *SAIC Newsletter*, **13** (3): 8 & 11.
3. **Pankaj Neog** and M. Alemla Ao (2008) Relative abundance of coccinellids in mandarin (*Citrus reticulata* Blanco) orange. *Indian Journal of Citriculture*, **3** (1): 92-95.
4. **Pankaj Neog** and H. K. Singh (2009) Oviposition and developmental response of *Callosobruchus chinensis* (L.) to different pulses under controlled condition of temperature. *Indian Journal of Environment and Eco- planning*, **16** (2-3): 549-555.
5. **Pankaj Neog** and H. K. Singh (2009) Preference of *Callosobruchus chinensis* (L.) to common stored pulses. *Indian Journal of Environment and Eco-planning*, **16** (2-3): 556-560.
6. **Pankaj Neog** and H. K. Singh (2011) Correlation of seed characters of pulses with host suitability and preference of *Callosobruchus chinensis* (L.). *Indian Journal of Entomology*, **73** (4): 365-370.
7. **Pankaj Neog** and H. K. Singh (2011) Qualitative deterioration in the seeds of pulses in storage due to *Callosobruchus chinensis* (L.). *Indian Journal of Entomology* **73** (4): 371-377.
8. Lanunochetla, M. Alemla Ao and **Pankaj Neog** (2012) Reaction of Potato Varieties against Subterranean Pests. *International Journal of Bio-resource and Stress Management*, **3** (1): 076-078.
9. Lanunochetla, M. Alemla Ao and **Pankaj Neog** (2012) Incidence of Aphid and Whitefly on Different Planting Dates in Relation to Abiotic Factors in Potato Variety *Kufri jyoti*. *International Journal of Bio-resource and Stress Management* **3** (2): 239-241.
10. **Pankaj Neog** and H. K. Singh (2012) Oviposition and adult emergence of *Callosobruchus chinensis* (L.) on green gram seeds treated with plant powders and vegetable oils. *Journal of Applied Zoological Researches*, **23** (1): 31-36.

11. **Pankaj Neog** and H. K. Singh (2012) Efficacy of plant powders and vegetable oils against *Callosobruchus chinensis* (L.) on stored green gram. *Indian Journal of Entomology* **74** (3): 267-273.
12. B. Chang, Imtinaro L. and **Pankaj Neog** (2012) Effect of ovipositional substrata on egg recovery and some bio-chemical aspects of eri silkworm, *Samia cynthia ricini* (Boisduval). *Indian Journal of Entomology* **74** (4): 398-399.
13. **Pankaj Neog** (2012) Studies on Adult Longevity of *Callosobruchus chinensis* (L.) Developing in Different Pulses. *International Journal of Bio-resource and Stress Management* **3** (3): 383-386.
14. Kevilekho Usou, **Pankaj Neog** and H. K. Singh (2013) Relative Efficacy of Some Plant Products as Grain Protectants Against *Callosobruchus chinensis* (L.) on Stored Green Gram. *Nagaland University Research Journal* **6**: 63-67.
15. **Pankaj Neog** and H. K. Singh (2013) Efficacy of some indigenous plant powders against *Callosobruchus chinensis* (L.) infesting rice bean. *Indian Journal of Entomology* **75** (3): 203-207.
16. Malsawmzuali, Imtinaro L., M. Alemla Ao and **Pankaj Neog** (2013) Eco-friendly pest management against shoot and fruit borer, *Leucinodes orbonalis* Guenee in Brinjal. *Indian Journal of Entomology*, **75** (4): 320-324.
17. Albert Shitiri, I.T. Asangla Jamir and **Pankaj Neog** (2014) Effect of Cultivars and Botanicals on the Incidence of Major Insect Pests in Lowland Rice. *International Journal of Bio-resource and Stress Management* **5** (1): 058-063.
18. Nokchensaba Kichu, Imtinaro L. and **Pankaj Neog** (2015) Influence of host plants on rearing performance and cocoon characters of eri silkworm, *Samia cynthia ricini* Boisduval. *Indian Journal of Entomology*, **77** (1): 88-91.
19. Yanger I. Kichu, Imtinaro L. and **Pankaj Neog** (2015) Incidence of rice stem borer at different sowing date and cultivars in upland rice field. *Nagaland University Research Journal*, **8**: 112-119.
20. Yanger I. Kichu, Imtinaro L. and **Pankaj Neog** (2015) Effect of Dates of Sowing and cultivars on rice ear head bug infestation in upland rice. *Nagaland University Research Journal*, **8**: 120-126.

21. Ruopfuselhou Kehie, **Pankaj Neog** and Akato Chishi (2016) Efficacy of insecticides and their modules of application against the incidence of rice gall midge, *Orseolea oryzae* Wood-Mason. *Journal of Applied Zoological Research*, **27** (1): 57-63.
22. Waluniba, M. Alemla Ao, H.K. Singh, **Pankaj Neog** and Damitre Lytan (2016) Bio-Diversity of Insect Pests and Its Natural Enemies in Cabbage Ecosystem of Nagaland, North East India. *Environment & Ecology*, **34** (3B): 1346-1350.
23. Yanger I. Kichu, Imtinaro L. and **Pankaj Neog** (2017) Effect of cultivars and sowing dates on rice leaf folder in upland rice. *Indian Journal of Entomology*, **79** (2): 225-226.
24. Waluniba, M. Alemla Ao, H. K. Singh, **Pankaj Neog** and Imtinaro L. (2017) Effect of planting dates and varieties on the incidence of cabbage butterfly (*Pieris brassicae*) in Nagaland. *Indian Journal of Entomology*, **79** (3): 278-283.
25. Emelyne Lalmawipuii, **Pankaj Neog** and Imtinaro L. (2017) Evaluation of some insecticides against major insect pests of okra (*Abelmoschus esculentus* L. Moench). *Indian Journal of Entomology*, **79** (4): 525-534.
26. P. Sakotsungba Longchar, Imtinaro L., **Pankaj Neog** and I. Yimjenjang Longkumer (2018) Evaluation of Novel Insecticides against *Spodoptera litura* in Soybean (*Glycine max* L. Merrill) Crop. *International Journal of Pure & Applied Bioscience*, **6** (2): 1129-1133.
27. Toko Kapi, I. T. Asangla Jamir and **Pankaj Neog** (2018) Effect of plant materials and storage receptacles on the incidence of rice weevil, *Sitophilus oryzae* (Linn.) on stored milled rice. *Journal of Applied Zoological Research*, **29** (1): 93-99
28. S. Shabana, Imtinaro L. and **Pankaj Neog** (2018) Evaluation of insecticides against insect pests of soybean. *Indian journal of Entomology*, **80** (3): 1080-1083
29. S. Shabana, Imtinaro L. and **Pankaj Neog** (2018) Pest complex and population dynamics of major insect pests in soybean. *Indian journal of Entomology*, **80** (3): 1204-1206
30. P. Sakotsungba Longchar, Imtinaro L., **Pankaj Neog**, I. Yimjenjang Longkumer and Abhinandan Singh (2019) Field Evaluations of Novel Insecticides Against Soybean

- Stem Fly, *Melanagromyza sojae* and Leaf Webber, *Anarsia ephippas* in Nagaland. *Environment & Ecology*, **37** (1): 114-119
- 31.** P. Sakotsungba Longchar, Imtinaro L., **Pankaj Neog** and I. Yimjenjang Longkumer (2019) Field evaluation of novel insecticides against *Mylabris phalerata* in Nagaland. *Indian journal of Hill Farming*, **32** (1):157-161
 - 32.** Yoodarimiki Shylla, **Pankaj Neog** and Imtinaro L. (2019) Screening of Soybean (*Glycine max* L. Merrill) genotype for resistance against major insect pests. *Indian Journal of Pure and Applied Biosciences*, **7** (5) :451-457
 - 33.** Vesalu Khape, **Pankaj Neog** and Hannah K Asangla (2020) Efficacy of insecticides against major insect pests of pigeon pea in Nagaland. *Journal of Entomology and Zoology Studies*, **8** (4): 91-96
 - 34.** **Pankaj Neog** (2020) Evaluation of Some Insecticides against Insect Pests of Cauliflower (*Brassica oleracea* var. botrytis L.). *International Journal of Current Microbiology and Applied Sciences*, **9** (12): 804-813
 - 35.** Imlilemla Amlari, **Pankaj Neog** and Noyingthung Kikon (2021) Seasonal Incidence of Major Insect Pests of Potato (*Solanum tuberosum* L.) and their Correlation with Abiotic Factors under Foothill Conditions of Nagaland. *International Journal of Current Microbiology and Applied Sciences*, **10** (7): 222-228
 - 36.** A Vindhya, **Pankaj Neog**, Imtinaro L, Susanta Banik and B Malini Sharma (2022) Efficacy of plant products and vegetable oils against *Callosobruchus chinensis* (L.) on stored chickpea. *The Pharma Innovation*, **11**(5): 1497-1504
 - 37.** Khrieketou Kuotsu, **Pankaj Neog**, K Lalruatsangi and Nokchensaba Kichu (2022) Effect of storage structures on the incidence of pulse beetle, *Callosobruchus chinensis* (L.) infesting ricebean seeds. *The Pharma Innovation*, **SP-11** (5): 1391-1394
 - 38.** Khrieketou Kuotsu and **Pankaj Neog** (2022) Efficacy of Some Botanical Powders as Grain Protectants Against Pulse Beetle (*Callosobruchus chinensis* L.) on Ricebean (*Vigna umbellata* Thunb.). *International Journal of Bio-resource and Stress Management*, **13** (7):667-673
 - 39.** Arensungla Pongen, GT Behere, Huirem Diana Devi, Rumki Heloise CH Sangma, M Alemla AO and **Pankaj Neog** (2022) The use of DNA barcoding for

- identification of major insect pests and their natural enemies of tomato in Nagaland, India. *The Pharma Innovation*, **SP-11** (9): 232-234
- 40.** Arensungla Pongen, Huirem Diana Devi, M Alemla AO, **Pankaj Neog**, Rumki Heloise CH Sangma and Bendangsenla (2022) Effect of different sowing dates and varieties on insect pest population of tomato (*Solanum lycopersicum* L.). *The Pharma Innovation*, **11** (9): 1674-1678
- 41.** Nokchensaba Kichu, Imtinaro L, **Pankaj Neog**, Khrieketou Kuotsu and Kitila Walling (2022) Seasonal incidence of major sucking pests of French bean (*Phaseolus vulgaris* L.). *The Pharma Innovation*, **SP-11**(12): 1150-1154
- 42.** Nokchensaba Kichu, L. Imtinaro, **Pankaj Neog** and Limasunep Ozukum (2022) Bioassay on Toxicity of Plant Extracts against *Aphis craccivora* Koch (Hemiptera: Aphididae) in French Bean (*Phaseolus vulgaris* L.). *International Journal of Environment and Climate Change*, **12** (12): 1216-1221
- 43.** Otto S Awomi, Imtinaro L, **Pankaj Neog** and Dametre Lytan (2023) Incidence of spiralling whitefly, *Aleurodicus disperses* Russell in King Chilli, *Capsicum chinense* Jacq. and its correlation with abiotic factors. *The Pharma Innovation*, **12** (4): 1606-1608
- 44.** Ajith N., Waluniba, **Pankaj Neog**, Susanta Banik and Sentirenla Jamir (2023) Effects of Different Abiotic and Biotic factors on Abundance of Sucking Pests of Chilli (*Capsicum annum* L.). *Environment and Ecology*, **41** (1C): 679—683
- 45.** N. Ajith, Waluniba, **Pankaj Neog**, Susanta Banik and Sentirenla Jamir (2023) Efficacy of biopesticides against sucking insect pests of chilli (*Capsicum annum* L.) and their impact on fruit yield. *Pest Management in Horticultural Ecosystems*, **29** (1): 177-180
- 46.** Otto S Awomi, Imtinaro L, **Pankaj Neog** and Dametre Lytan (2023) Incidence of *Encarsia guadeloupae* in spiralling whitefly on king chilli and its correlation with abiotic factors. *The Pharma Innovation*, **12** (5): 1063-1064
- 47.** Pura Sunya, Hijam Shila Devi, **Pankaj Neog**, Narola Pongener and Debika Nongmaithem (2023) Dominance of Fruit Fly Species (Diptera: Tephritidae) in Cucumber under Foot Hills of Nagaland. *Environment and Ecology*, **41** (2): 861-866

48. Biplove Bala, **Pankaj Neog** and Imtinaro L (2023) Comparative efficacy of some indigenous plant materials as toxicant against pulse beetle, *Callosobruchus chinensis* (L.). *Scientist*, **4** (4): 146-163 (Scientist|X89X367X|7.72|Published by LMG| <https://doi.org/10.5281/zenodo.7811373> <https://www.thescientist.online/>)
49. Huirem Diana Devi, **Pankaj Neog**, Arensungla Pongen, K. Lalruatsangi, Martha Chakruno and Hijam Shila Devi (2023) Species Diversity and Relative Abundance of Fruit Flies in Three Important Cucurbit Crops in Medziphema, Nagaland. *Biological Forum – An International Journal*, **15** (4): 64-69
50. Huirem Diana Devi, **Pankaj Neog**, Arensungla Pongen, Martha Chakruno, K. Lalruatsangi and Rumki Heloise Sangma (2023) Seasonal Abundance of Melon Fruit Fly (*Zeugodacus cucurbitae*) in different Cucurbit Fields of Nagaland. *Biological Forum – An International Journal*, **15** (5): 406-411
51. Rhodesh Salam, H. Shila Devi, **Pankaj Neog**, L. Imtinaro, Y. Suraj Singh, H. Meronbala Devi and W. Ramdas Singh (2023) Efficacy of Insecticides against Major Insects of Tomato in Manipur. *International Journal of Environment and Climate Change*, **13** (8): 911-920
52. Betikundang Chang, N. Tiameren Ao, Kavi Sumi, Narola Pongener and **Pankaj Neog** (2023) *In-vitro* evaluations of *Trichoderma* spp. against Different Diseases of Pigeonpea in Nagaland. *International Journal of Economic Plants*, **10** (2): 099-103
53. Chandrika Umbon, N. Tiameren Ao, Susanta Banik, **Pankaj Neog**, Kavi Sumi and Pezangulie Chakruno (2023) Study on Estimation of Avoidable Yield Losses Due to Pod Blight in Soybean [*Glycine max* (L.) Merr.]. *International Journal of Economic Plants*, **10** (3): 224-230
54. Khrieketou Kuotsu, **Pankaj Neog**, L. Imtinaro, Rumki H. Ch. Sangma (2023) Screening of Ricebean [*Vigna umbellata* (Thunb.) Ohwi and Ohashi] Cultivars against Pulse Beetle [*Callosobruchus chinensis* (L.)]. *Legume Research-An International Journal*, **46** (10): 1370-1377 (<https://arccjournals.com/journal/legume-research-an-international-journal/LR-5180>)
55. Rongsentula Longchar, **Pankaj Neog**, Waluniba and Imtinaro L. (2023) Insect Pest Complex on Cauliflower (*Brassica oleracea* var *botrytis* L.) and their Correlation

with Weather Parameters in Medziphema, Nagaland. *Environment and Ecology*, **41** (3C): 1989—1994

56. Yumkhaibam Sonia Shahni, Susanta Banik, Narola Pongener, **Pankaj Neog** and A. P. Singh (2023) Effects of biocontrol agents on Early Blight Disease of potato in field. *J. Mycopathol. Res.*, **61** (3): 375-380
57. B. Longkumer, **Pankaj Neog**, Waluniba and H.S. Devi (2023) Effect of sowing dates and cultivars on the incidence of *Spodoptera frugiperda* (J.E. Smith) on maize (*Zea mays* L.) in Nagaland, India. *Entomon*, **48** (3): 427-432
58. Biplove Bala, **Pankaj Neog**, Waluniba, Imtinaro L. and A. Vindhya (2023) Comparative efficacy of some indigenous plant materials as repellent against pulse beetle, *Callosobruchus chinensis* (L.). *Indian Journal of Hill Farming*, **36** (2): 75-85

B. Book chapters:

1. Akashe Zhimomi, Alemla Ao and **Pankaj Neog** (2012) Relative Abundance of Soil Dwelling Arthropods in Rice Ecosystem of Nagaland. *Nagaland University Research Communication*, Cambridge University Press India Pvt. Ltd., Cambridge House, 4381/4 Ansari Road, New Delhi 110002. pp. 3-13 (ISBN No. 978-81-7596-902-5).
2. Imtinaro L. and **Pankaj Neog** (2016) Major Insect Pests of Rice in Nagaland and their Management. *Agricultural Technology for Sustaining Rural Growth*, Biotech Books, 4762-63/23, Ansari Road, Darya Ganj, New Delhi – 110002. pp. 225-244 (ISBN 978-81-7622-381-2).
3. Imtinaro L. and **Pankaj Neog** (2016) Insect pest Management in major crops in *Jhum* field. *Sustainable Jhum Farming for Conservation of Natural Resources and Food Security*, Joint Director, ICAR Research Complex for NEH Region, Nagaland Centre, Medziphema-797106, Nagaland. pp. 118-125.
4. **Pankaj Neog** and Imtinaro L. (2016) Insect pest Management of important fruit crops in Nagaland. *Sustainable Jhum Farming for Conservation of Natural Resources and Food Security*, Joint Director, ICAR Research Complex for NEH Region, Nagaland Centre, Medziphema-797106, Nagaland. pp. 126-136.

5. Waluniba, M. Alemla Ao and **Pankaj Neog** (2018) Effect of planting dates on the incidence of aphid and serpentine leaf miner on tomato. *Sustainable Horticulture*, Today and Tomorrow's Printers and Publishers, New Delhi – 110002. pp. 419-422 (ISBN 81-7019-601-8)
6. **Pankaj Neog**, Moloya Gogoi, Premila L. Bordoloi, Imtinaro L. and Parveez Ahmad Para (2018) Edible Insects as Sources of Novel Bioactive Compounds. *Recent Research Trends in Veterinary Sciences and Animal Husbandry (Volume – 2)*, Akinik Publications, # 169, C-11, Sector – 3, Rohini, Delhi-110085 (India). pp. 55-69 (ISBN: 978-93-87072-46-6)
7. **Pankaj Neog**, Imtinaro L. and C. S. Maiti (2023) Insect Pests of Important Fruit Crops In Nagaland. *Modern Plant Biotechnology: Risks & Implications in Agriculture*, Mahima Research Foundation and Social Welfare 194, Karaundi, Banaras Hindu University, Varanasi-221005, UP, India, Reg. # 643/2007-2008, www.mrfsw.org pp. 19-28 (ISBN: 978-81-943375-5-3)

C. Other publications:

1. **Pankaj Neog** and M. Alemla Ao (2013) Insect pest management of Citrus in Nagaland – a Folder published by Farmer's Cell, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
2. **Pankaj Neog** and M. Alemla Ao (2013) Insect pest management of Rice in Nagaland – a Folder published by Farmer's Cell, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
3. N. Tiameren Ao, Susanta Banik, L. Daiho, M. Alemla Ao, Narola Pongener and **Pankaj Neog** (2014) Report on Crop Disease and Pest Survey in Dimapur and Peren Districts of Nagaland – a Survey Report published by School of Agricultural Sciences and Rural Development, Nagaland University Medziphema Campus, Nagaland.
4. Imtinaro L., **Pankaj Neog** and J. Akato Chishi (2015) Experiential learning programme on Sericulture – a Practical Manual for UG Courses published by Department of Entomology, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.

5. H. K. Singh, J. Akato Chishi, Imtinaro L. and **Pankaj Neog** (2015) Experiential learning programme on Apiculture – a Practical Manual for UG Courses published by Department of Entomology, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
6. Imtinaro L., H. K. Singh, **Pankaj Neog** and J. Akato Chishi (2016) Insect Ecology and Principles of Pest Management – a Practical Manual for UG Courses published by Department of Entomology, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
7. **Pankaj Neog**, Imtinaro L. and J. Akato Chishi (2017)) Pests of Horticultural Crops and their Management – a Practical Manual for UG Courses published by Department of Entomology, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
8. Imtinaro L., **Pankaj Neog** and J. Akato Chishi (2018)) Fundamentals of Entomology – a Practical Manual for UG Courses published by Department of Entomology, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
9. **Pankaj Neog**, Waluniba and J. Akato Chishi (2022) Biological Control of Crop Pests and Weeds – a Practical Manual for PG Courses published by Department of Entomology, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
10. **Pankaj Neog** and J. Akato Chishi (2022) Techniques in Plant Protection – a Practical Manual for PG Courses published by Department of Entomology, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.

7. Handling of research / development project:

A. Research Projects Completed: As a Co-PI

| Sl. No. | Title | Agency | Period | Grant/ Amount Mobilized (Rs. in Lakh) |
|---------|---|---|------------------------------------|---------------------------------------|
| 1 | Exploitation of the flora of Nagaland for bio-pesticidal activity against | Directorate of Science & Technology, Govt. of | September, 2013 to September, 2018 | Rs. Seven Lakh only |

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|--|---------------------|----------|--|--|
| | storage insect pest | Nagaland | | |
|--|---------------------|----------|--|--|

B. Ongoing Research Projects: As a Co-PI

| Sl. No. | Title | Agency | Period | Grant/ Amount Mobilized (Rs. in Lakh) |
|---------|---|--|----------------|---------------------------------------|
| 1. | Screening of different local cultivars of rice against major insect pests | Directorate of Science & Technology, Govt. of Nagaland | February, 2020 | Rs. One lakh only |

8. Research guidance [M. Sc. (Ag.)]

| Sl. No | Topic of thesis | Name of student | Degree | Year of award |
|--------|---|---|----------------------------|---------------|
| 1. | Performance of some local lowland rice cultivars against some major insect pests in Nagaland | Senepbila (Regn. No. 9020/2009-2010) | M.Sc. (Agri) in Entomology | 2015 |
| 2. | Evaluation of some insecticides against major insect pests of okra (<i>Abelmoschus esculentus</i> L. Moench) | Emelyne Lalmawipuii (Regn. No. 213019/2013-14) | M.Sc. (Agri) in Entomology | 2015 |
| 3. | Evaluation of some insecticides against shoot and fruit borer, <i>Leucinodes orbonalis</i> Guenee in brinjal | Lalrinzuala (Regn. No.9044/2009-10) | M.Sc. (Agri) in Entomology | 2015 |
| 4. | Evaluation of some insecticides against insect pests of cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.) | Rolungmuana (Regn. No. 10056/2010-11) | M.Sc. (Agri) in Entomology | 2016 |
| 5. | Efficacy of some bio-pesticides against insect pests of tomato (<i>Lycopersicon esculentum</i> Mill) | M. Nzani Kikon (Regn. No. 11046/2011-12) | M.Sc. (Agri) in Entomology | 2017 |
| 6. | Evaluation of some Bio-pesticides and Synthetic insecticides against major insect pest of potato (<i>Solanum tuberosum</i> L.) | Imlilemla Amlari (Regn. No. 11052/2011-12) | M.Sc. (Agri) in Entomology | 2017 |
| 7. | Screening of Soybean (<i>Glycine max</i> L. Merril) genotypes for resistance against major insect pests | Yoodarimiki Shylla (Regd. No. 916029/2016-17) | M.Sc. (Agri) in Entomology | 2018 |

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|-----|--|--|----------------------------|------|
| 8. | Evaluation of some insecticides against major insect pests of Pigeon pea (<i>Cajanus cajan</i>) | Vesalu Khape (Regd. No. 12047/2012-13) | M.Sc. (Agri) in Entomology | 2018 |
| 9. | Insect pest complex of soybean (<i>Glycine max</i> L. Merrill) and their eco-friendly management | Mr. Gande Sravan Kumar (Regn. No. 917052 (2017-18)) | M.Sc. (Agri) in Entomology | 2019 |
| 10. | Evaluation of some insecticides against spiraling whitefly (<i>Aleurodicus dispersus</i> Russell) in poinsettia | Mr. Taison R. Sangma (Regn.No. 917061 (2017-18)) | M.Sc. (Agri) in Entomology | 2019 |
| 11. | Influence of date of sowing and cultivars on the incidence of major insect pests of maize (<i>Zea mays</i> L.) | Ms. Bendangsenla Longkumer (Regd. No. 918041 (2018-19)) | M.Sc. (Agri) in Entomology | 2020 |
| 12. | Screening of local lowland rice (<i>Oryza sativa</i> L.) cultivars against major insect pests in Nagaland | Ms. Tzudimenla Ao (Regd. No. 114024/2014-15) | M.Sc. (Agri) in Entomology | 2021 |
| 13. | Efficacy of plant powders and vegetable oils against <i>Callosobruchus chinensis</i> (L.) on stored chickpea | Ms. A. Vindhya (Regd. No. 1909086/19-20) | M.Sc. (Agri) in Entomology | 2021 |
| 14. | Efficacy of some bio-pesticides against major insect pests of mustard (<i>Brassica juncea</i> L.) | Ms. O. Margaret Shitiri (Regd. No. 915025 (2015-16)) | M.Sc. (Agri) in Entomology | 2022 |
| 15. | Efficacy of different bio-pesticides against major insect pests of cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.) | Ms. Rongsentula Longchar (Regd. No. 2001170/2020-21) | M.Sc. (Agri) in Entomology | 2022 |
| 16. | Eco-friendly insect pest management in broccoli (<i>Brassica oleracea</i> var. <i>italica</i> L.) | Mr. Kevitsituo Nagi (Regd. No. 916109/2016-17) | M.Sc. (Agri) in Entomology | 2022 |
| 17. | Comparative efficacy of some indigenous plant materials as toxicant and repellent against pulse beetle, <i>Callosobruchus chinensis</i> (L.) | Mr. Biplove Bala (Regd. No. 2001168/2020-21) | M.Sc. (Agri) in Entomology | 2022 |

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|-----|---|---|----------------------------|------|
| 18. | Host preference of rice weevil (<i>Sitophilus oryzae</i> L.) on selected stored grains of Nagaland and it's management with botanicals | Mr. Gursevak Singh (Regd. No. 2101098/2021-22) | M.Sc. (Agri) in Entomology | 2023 |
| 19. | Efficacy of some insecticides against the major insect pests of green gram [(<i>Vigna radiata</i> L.) Wilczek | Mr. Alli Rakesh (Regd. No. 2101070/2021-22) | M.Sc. (Agri) in Entomology | 2023 |

9. Research guidance [Ph.D]

| Sl. No | Topic of thesis | Name of student | Degree | Year of award |
|--------|---|---|----------------------|----------------------------------|
| 1 | Screening of some rice bean [<i>Vigna umbellate</i> (Thunb.) Ohwi & Ohashi] cultivars against pulse beetle [<i>Callosobruchus chinensis</i> (L.)] and its management with botanicals | Khrieketou Kuotsu (Roll No. Ph- 205/16) (Regd. No. Ph.D/ENT/00043) | Ph. D. in Entomology | Awarded w.e.f. 22-07-2022 |
| 2 | Diversity of Fruit flies and their natural enemies on important cucurbits of Nagaland | Huirem Diana Devi (Roll No. Ph- 256/18) (Regd. No. Ph.D/ENT/00242) | Ph. D. in Entomology | Awarded w.e.f. 08-09-2023 |
| 3 | Seasonal abundance and diversity of insect pests and their natural enemies in lowland rice agroecosystem under Dimapur district of Nagaland | J. Akato Chishi (Roll No. Ph-284/19) (Regd. No. Ph.D/ENT/00333) | Ph. D. in Entomology | Continuing |
| 4 | Diversity of insect pests in maize (<i>Zea mays</i> L.) and management of fall army worm [<i>Spodoptera frugiperda</i> (Smith)] in Nagaland | Ms. Tiasangla Jamir (Roll No. Ph-342/22) (Regd. No. Ph.D/ENT/00620) | Ph. D. in Entomology | Continuing |
| 5 | | Mr. Wangpon Konyak (Roll No. Ph-376/23) | Ph. D. in Entomology | Continuing |

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| 6 | | Mr. Biplove Bala (Roll No. Ph-WS-15/24) | Ph. D. in Entomology | Continuing |
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10. Seminar / Conference attended:

| Sl. No | Title of the papers presented | Title of the symposium/seminar | Organized by | Level |
|--------|--|---|---|------------|
| 1 | Host preference of <i>Callosobruchus chinensis</i> (L.) to common stored pulses of Nagaland | Nagaland University Research Poster Competition | Nagaland University, Lumami on 6 th September, 2009. | University |
| 2 | Eco-friendly management of shoot borer and rhizome fly of ginger in Nagaland | Harnessing the Potential of North Eastern States for Spices Production through Technological Intervention | Central Institute of Horticulture, Medziphema, Nagaland; Indian Society for Spices, Calicut and Directorate of Arecanut and Spices Development, Calicut on 30 th -31 st October, 2009 | National |
| 3 | Influence of dates of planting and cultivars on the infestation of shoot borer, <i>Conogethes punctiferalis</i> (Guenee) on ginger | Harnessing the Potential of North Eastern States for Spices Production through Technological Intervention | Central Institute of Horticulture, Medziphema, Nagaland; Indian Society for Spices, Calicut and Directorate of Arecanut and Spices Development, Calicut on 30 th -31 st October, 2009 | National |
| 4 | Management of brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> (Guenee) | Sustainable natural resources and its utilization for enhancing the agricultural productivity in India | Department of Agricultural Economics, Nagaland University, SASRD, Medziphema on 17-19 th November, 2010 | National |

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| 5. | Insect pest management of horticultural crops | National Seminar on Sustainable Horticulture vis-a-vis Changing Environment | Department of Horticulture, SASRD, Nagaland University, Medziphema w.e.f. 26-28 th Feb, 2015 | National |
| 6. | Evaluation of some insecticides against shoot and fruit borer, <i>Leucinodes orbonalis</i> Guenee in brinjal | National Seminar on Crop Protection: Current Trends and Future Perspective | Department of Plant Pathology, Entomology and Agronomy, SASRD, Nagaland University, Medziphema w.e.f. 16-18 th November, 2017 | National |
| 7. | Evaluation of some insecticides against major insect pests of pigeon pea (<i>Cajanus cajan</i>) | National Seminar on Sustainable Emerging Approach in Agri-Business Development | Department of Agricultural Economics, Nagaland University, School of Agricultural Sciences, Medziphema Campus w.e.f. 1 st -3 rd November, 2023 | National |

11. *Invited lectures / Resource Person:*

| Sl. No | Title of Lecture/ Academic Session | Title of Conference/ Seminar etc. | Organized by | Whether International/ National/ State /University level |
|--------|---|---|---|--|
| 1 | Resource person –Entomology | <i>Naga Kheti Mela</i> | SASRD, NU, Medziphema (17 th – 19 th October, 2013) | State |
| 2 | Career Counselling Programme- Entomology (As Resource person) | Career Counselling Programme (Special focus on NET/ARS/JRF) | SASRD, NU, Medziphema (30/03/2014) | University |
| 3 | Forecast and management of insect pests with regard to changes in weather | <i>Gramin Krishi Mausam Sewa</i> (GKMS) Programme | ICAR Complex for NEH Region, Nagaland centre, Medziphema (10/03/2015 at 10.00 – 10.45 am) | State |

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| | parameters (As Resource person) | | | |
| 4 | Resource person –Entomology | Farmer's Scientist Interaction | Farmers Cell, NU, SASRD, Medziphema (10/03/2015 at 1.30 pm) | State |
| 5 | Resource person –Entomology | Awareness Programme and Interactive Sessions on Agromet Advisory | <i>Gramin Krishi Mausam Sewa Project</i> , ICAR Complex for NEH Region, Nagaland centre, Medziphema (17/03/2015) | State |
| 6 | Career Counselling Programme- Entomology (As Resource person) | Career Counselling Programme (Special focus on NET/ARS/JRF) | SASRD, NU, Medziphema (16/05/2015) | University |
| 7 | Pest Management under changing climate scenario (As Resource person) | Farmers Training Programme | ICAR Complex for NEH Region, Nagaland centre, Medziphema (21 st – 23 rd March, 2016) | State |
| 8 | Insect Pest Management of Important Fruit Crops of Nagaland (As Resource person) | Training Programme on Sustainable <i>Jhum</i> Farming for Conservation of Natural Resources and Food Security | KVK, Longleng, Nagaland (29/03/2016 to 01/04/2016) | State |
| 9 | Career Counselling Programme- Entomology (As Resource person) | Career Counselling Programme (Special focus on NET/ARS/JRF) | SASRD, NU, Medziphema (04/05/2016) | University |
| 10 | Integrated Pest Management of <i>Kharif</i> crops (As Resource person) | ToT on IPM of <i>Kharif</i> crops for NEIDA and its partners | North East Initiative Development Agency (NEIDA), Kohima, Nagaland (16 – 17 June, 2016) | State |
| 11 | Integrated Pest Management of <i>Rabi</i> crops (As Resource person) | ToT on IPM and IDM of <i>Rabi</i> crops for NEIDA and its partners Extension staff | North East Initiative Development Agency (NEIDA), Kohima, Nagaland (12 – 15 December, 2016) | State |
| 12 | Resource person –Entomology | State level workshop on Climate Smart Agriculture | Deptt. of Agricultural Extension , NU, SASRD, Medziphema (20-21 | State |

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| | | | March, 2017) | |
| 13 | Major stored grain pest and its management (As Resource person) | IPM orientation training programme | IETC, Govt. of Nagaland, Medziphema (26/07/2017) | State |
| 14 | Insect pests of major fruits and plantation and their management (As Resource person) | Training on Important Plant Protection measures for Agricultural and Horticultural Corps with respect to Nagaland for ATMA- BTM | SAMETI, Govt. of Nagaland, Medziphema (29/08/2017 at 2.00 – 3.00 pm) | State |
| 15 | Insect pests of major vegetables and flowers and their management (As Resource person) | Training on Important Plant Protection measures for Agricultural and Horticultural Corps with respect to Nagaland for ATMA- BTM | SAMETI, Govt. of Nagaland, Medziphema (29/08/2017 at 3.00 – 4.00 pm) | State |
| 16 | Insect pest management in stored oil seeds (As Resource person) | Model Training Course on <i>Eco-friendly Pest Management of Stored Grain Pests</i> | Deptt. of Entomology, NU, SASRD, Medziphema (6 th – 13 th Dec, 2017) | State |
| 17 | Insect pest management in stored tuber crops (As Resource person) | Model Training Course on <i>Eco-friendly Pest Management of Stored Grain Pests</i> | Deptt. of Entomology, NU, SASRD, Medziphema (6 th – 13 th Dec, 2017) | State |
| 18 | Insect pest management of stored grains/seeds in pulses (As Resource person) | Model Training Course on <i>Eco-friendly Pest Management of Stored Grain Pests</i> | Deptt. Of Entomology, NU, SASRD, Medziphema (6 th – 13 th Dec, 2017) | State |
| 19 | Identification of plant products and their uses in stored grain pest management (As Resource person) | Model Training Course on <i>Eco-friendly Pest Management of Stored Grain Pests</i> | Deptt. Of Entomology, NU, SASRD, Medziphema (6 th – 13 th Dec, 2017) | State |
| 20 | Methods and preparation of plant products and its application on stored commodities (As Resource person) | Model Training Course on <i>Eco-friendly Pest Management of Stored Grain Pests</i> | Deptt. of Entomology, NU, SASRD, Medziphema (6 th – 13 th Dec, 2017) | State |

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| 21 | Plant Protection Measures on Important Field Crops (As Resource person) | Training on <i>Important Plant Protection measures for Agricultural Corps</i> for ATMA- ATM | SAMETI, Govt. of Nagaland, Medziphema (22/05/2019) | State |
| 22 | Production Technology and Management practices for Sericulture | Online Training on <i>Advanced Management Practices for Sericulture: Production, Post Harvest and Value Addition</i> | SAMETI, Govt. of Nagaland, Medziphema (07/07/2020) | State |
| 23 | IPM: Introduction, Principles and its different components or tools | Online training on <i>Promotion of IPM in Commercial Agricultural and Horticultural Crops</i> for Agri and Allied and ATMA functionaries | SAMETI, Govt. of Nagaland, Medziphema (18/09/2020 at 11 – 11.50 am) | State |
| 24 | IPM Modules of important Field Crops in Nagaland | Online training on <i>Promotion of IPM in Commercial Agricultural and Horticultural Crops</i> for Agri and Allied and ATMA functionaries | SAMETI, Govt. of Nagaland, Medziphema (18/09/2020 at 12 – 12.50 pm) | State |
| 25 | Insect and Pest Management in Dragon fruit and Kiwi fruit with special reference to NE Region | Trainer's Training Programme on "Production of quality planting materials and accreditation of nursery of focus fruit crops" | Central Institute of Horticulture, Medziphema, Nagaland (12/10/2022 at 11.00 AM – 12.00 PM) | State |
| 26 | Integrated Pest Management on Fruits and Vegetables | Training on "Package of Practices for Fruits and Vegetable Crops and its Management" for ATMA functionaries | SAMETI, Govt. of Nagaland, Medziphema (27/10/2022 at 11.00 AM – 12.00 pm) | State |
| 27 | Integrated insect management practices in rice seed production | Training Programme on "Improving Livelihood Security of Farmers through Seed Production Technologies" | ICAR Complex for NEH Region, Nagaland centre, Medziphema (06/09/2023 at 11.30 am – 1.00 pm) | State |
| 28 | Storage Pest Management in field crops | Training on "Post Harvest Management & Food Losses in Agri-Horti crops" | SAMETI, Govt. of Nagaland, Medziphema (03/11/2023 at 11.30 AM – 12.30 pm) | State |
| 29 | Role of honeybees in pollination | Training programme on "Scientific Meliponiculture and Apiculture for better | AICRP on Honeybees and Pollinators, Department of Entomology, SAS, | Regional |

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| | | Honey Production and Pollination” | Nagaland University, Medziphema Campus, Nagaland at Ngwalwa Village, Peren, Nagaland (06/10/2023) | |
| 30 | Problems and Prospects of Sericulture in India | Winter School on “Agri-business, Market Intelligence, ICT and Block Chain” sponsored by ICAR, New Delhi | Department of Agricultural Economics, Nagaland University, School of Agricultural Sciences, Medziphema Campus (14/02/2024 - 05/03/ 2024) | National |

DECLARATION

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.

Date: 13-03-2024

Place: Medziphema



(PANKAJ NEOG)