PROFORMA OF FACULTY PROFILE



Name: Dr. Waluniba Current Designation: Assistant Professor E-mail. <u>waluniba@nagalanduniversity.ac.in</u> waluaj@gmail.com Contact address: Department of Entomology SAS, NU, Medziphema Campus-797106 Mobile:9862936793/ 9856308746 Date of joining: 13th March 2020

EDUCATION QUALIFICATION

Details	School/ College/ Board/University	Year
Ph.D (Agri. Entomology)	NU: SASRD	2016
M.Sc (Agri.) in Entomology	NU: SASRD	2012
B.SC (Agri.)	NU: SASRD	2010
HSSLC (+2 Sc.)	KILENKABA MEMORIAL COLLEGE	2006
	(Nagaland Board of School Education)	
HSLC	ST, STEPHEN'S SCHOOL	2004
	(Nagaland Board of School Education)	

WORK EXPERIENCE IN BRIEF

Institution/University/ Organisation	Designation	Duration
Dept. Of Entomology (SASRD, Nagaland University)	Assistant Professor	March 13 th 2020- till date
ICAR-AICRP, Dept. Of Horticulture	Scientist	Dec. 15 th 2015 –March
(SASRD, Nagaland University)	(Asst. Entomologist)	12 th 2020
Land Resource Department	WDT Member	Jan 2013- Mar 2014
(Govt. Of Nagaland)	(Watershed Development Team	
	Member)	
ATMA	SMS	Nov 2011 – Nov 2012
(Govt. Of Nagaland)	(Subject Matter Specialist)	

OTHER ACHIEVEMENTS

- Qualified ARS-NET in the year 2013 in "Agricultural Entomology" organised by ASRB, Indian Council of Agricultural Research (ICAR), New Delhi, India.
- Qualified ARS-NET in the year 2014 in "Agricultural Entomology" organised by ASRB, Indian Council of Agricultural Research (ICAR), New Delhi, India.

MEMBER OF SCIENTIFIC JOURNALS

- Life Member of International Journal of Bio-Resource and Stress management.
- Life Member of Indian Journal of Entomology Division of Entomology, IARI, New Delhi.
- Life Member of Indian Society of Vegetable Science.

MEMBER OF MAGAZINE

- Editorial Board Member of Annual Magazine Hill Agri, SAS, Nagaland University 2019-2022.
- Editorial Board Member of Annual Magazine Hill Agri, SAS, Nagaland University 2022-2024.

MEMBER OF MONITRORING TEAM

Member of 3rd Party Monitoring and Evaluation Team, ATMA (Agricultural Technology management Agency) for 2019-2020 and 2020-2021`

RESEARCH AREA/ FIELD OF SPECIALIZATION

Insect Pest Management and Biological Control

TEACHING AREAS

 Basic and Fundamental Entomology, Horticultural Entomology, Biological Control, Plant Protection Techniques, Immature Stages of Insects etc.

RESEARCH PUBLICATIONS

- Jesonkere Sutnga, H. Shila Devi, Imtinaro L, Damitrtre Lytan, Waluniba, Susanta Banik and Sabbithi Pavan. Population dynamics of cabbage aphid, *Brevicoryne brassicae* L. on five *brassica* species Viz. Cabbage, Cauliflower, Broccoli, Chinese cabbage and radish. Biological Forum- An International Journal. 16 (1): 47-52 (2024).(ISSN No. (Print): 0975-1130) (ISSN No. (Online): 2249-3239)
- Pradeep Kumar Chandra, Waluniba and Jiya Kharibam. Study on the insect pest-complex and its correlation with Environmental Factors on Fenugreek *Trigonella foem graecum* L. International Journal for multidisciplinary research. Vol.5, issue 6, Novemebr- December 2023 (E-ISSN: 2582-2160)
- N. Ajith, Waluniba, Pankaj Neog, Susanta Banik and Sentirenla Jamir (2023). Efficacy of biopesticides against sucking pests of chilli (*Capsicum annum* L.) and their impact on fruit yield. Pest management in Horticultural Ecosystems, Vol. 29, No. 1 pp 177-180. (Print ISSN: 0971-6831)(Online ISSN: 0974-4541)
- Rongsentula Longchar, Pankaj Neog, Waluniba, and Imtinaro L. (2023). Insect Pest complex on cawliflower (*Brassica oleracea* var. botrytis L.) and their correlation with weather parameters in Medziphema, Nagaland *Environment and Ecology*, Vol. 41(3C): 1989-1994. (ISSN: 0970-0420).
- 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.(ISSN: 0377-9335)

- Ajith N., Waluniba, Pankaj Neog, Susanta Banik and Sentirenla Jamir. (2023). Effect of different abiotic and biotic factors on abundabce of sucking pests of chilli (*Capsicum annum* L.). *Environment and Ecology*, Volume 41(1C): 679-683. (ISSN: 0970-0420).
- Lakshu Pungyambam, Waluniba, Hijam Shila Devi, Narola Pongener and Moakala Changkiri. (2023). Seasonal incidence of major insect pests of cabbage, *Brassica oleracea* var. *capitata* L.. *Environment and Ecology*, Volume 41(1B): 385-388. (ISSN: 0970-0420).
- Rodesh Salam, Hijam Shila devi, Yengkhom suraj Singh, Imtinaro L., H. Merionbala Devi and Waluniba. (2023). Incidence of major insect pests of tomato influenced by environment factors in western Manipur. *International Journal of Innovative Horticulture*, Volume 12, Number 1, 109-113: (Print, ISSN: 2320-0286,) (Online, ISSN: 2582-2527).
- Medolenuo Dzuvichu, Pauline Alila, Sentirenla jamir, S.P. Kanaujiaa, Waluniba nd A.K. Srivastava. (2023). Yield response of Rhizosphere hybridization in Khasi Mandarin. *International Journal of Innovative Horticulture*, Volume 12, Number 1, 102-108: (Print, ISSN: 2320-0286,) (Online, ISSN: 2582-2527).
- Siraj Miah, Hijam shila Devi and Waluniba (2021). Insect pest complex of Pumpkin (*Cucurbita moschata* Duch. Ex Poir.) and their incidence on different three sowing dates under foot hill conditions of Nagaland. Indian Journal of Hill farming. Volume 34, issue 2, Page 138-143 (ISSN:0970-6429).
- Jaydeep Halder, Waluniba, Sunil Joshi, Aastik Jha and A.B. Rai (2020). New Host record of *Formic coccus polysperes* Williams (Hemiptera: Pseudococcidae): An emerging pest of Taro *Colocasia esculenta* (L.) Schott from India. The National Academy of Science. September– October 2020) 43(5):467–472 (ISSN 0250-541X)
- Waluniba and M. Alemla Ao (2018). Effect of date of planting and varieties against the incidence of Asian cabbage White (*Pieris canidia*) on cabbage (*Brassica oleracea* var. *capitita* L.) under Nagaland condition. *Environment and Ecology*, Volume 36(1): 166-169. (ISSN: 0970-0420).
- Moakala Changkija, Waluniba, Aastik Jha, Yongkongtula and S.P. Kanaujia (2018). Response of different organic manures and biofertilizers on yield and economics of palak (*Beta vulgaris var. bengalensis*) under foothill condition of Nagaland. *Environment and Ecology*, Volume 36(1): 156-159. (ISSN: 0970-0420).
- Moakala Changkija, Aastik Jha, Waluniba, Yongkongtula and S.P. Kanaujia (2018). Impact of different Organic manures and biofertilizers on fresh yield and economics of amaranth (*Amaranthus tricolor*) under foothill condition of Nagaland. *Environment and Ecology*, Volume 36(1): 160-162. (ISSN: 0970-0420).
- Waluniba, M. Alemla Ao, H.K. Singh, Pankaj Neog and Imtinaro, L. (2017). Effcet of planting dates and varieties on the incidence of cabbage (*Pieris brasssicae*) in Nagaland. *Indian Journal of Entomology*, Volume 79(3): 278-283. (ISSN: 0367-8288).
- Waluniba, M. Alemla Ao, H.K. Singh, Pankaj Neog, Damitre Lytan (2015). Bio- diversity of insect pests and its natural enemies in cabbage Ecosystem of Nagaland, North East India. *Environment and Ecology*, Volume 34 3(B): 1346-1350. (ISSN: 0970-0420).
- Waluniba and M. Alemla. Ao (2015). Efficacy of some insecticide against Aphid (*Aphis gossypii*) and Serpentine leaf miner (*Liriomyza trifolii*) in tomato under Nagaland condition. *Environment and Ecology*, Volume 33(1): 10-13. (ISSN: 0970-0420).
- Waluniba and M. Alemla Ao (2014). Seasonal Incidence of insect pests in tomato (*Lycopersicon esculentum* M.) on different planting dates and it correlation with abiotic factors. *International Journal of Bio-resource and Stress Management*. Volume 5(2):280-284. (ISSN: 0976-4038)

- Waluniba, M. Alemla Ao and Tinatoly Sema (2014). Insect pest complex of tomato in Nagaland, *Indian Journal of Entomology*, Volume 76(4): 355-356. (ISSN: 0367-8288).
- Waluniba, M. Alemla Ao (2014). Biodiversity of Insect pest associated with Cabbage *Brassica* oleracea var. capitata under Nagaland condition. *Indian Journal of Entomology*, Volume: 77(1): 84-86 (ISSN: 0367-8288).
- Esther Zonunpuii, I.T.Asangla*, Damitre Lytan and Waluniba (2015). Eco-friendly management of okra on the incidence of Jassids *Amrasca biguttula biguttula* (Hemiptera: Cicadellidae) under Nagaland condition. *Journal of Applied Zoological research*, Volume: 26(2), (ISSN:0970-9304).
- Tinatoly and Waluniba (2014). Dates of Sowing and Land races against rice stem bore complex in Nagaland. *Indian Journal of Entomology*, Volume: 76(3): 265-267. (ISSN:0367-8288).
- Ridalang W. Rangad, Damitre Lytan, Waluniba, D. M. Firake (2014). Bio-efficacy of eco-friendly insecticides against Cabbage butterfly, *Pieris brassicae* (L) on cabbage in the Mid Altitudes Hills of Meghalaya, North East India. *Molecular Entomology* Volume: 5(8): 1-3. (ISSN: 1925-198X).
- Malar bui, H.K. Singh, Waluniba, and M. Alemla. Ao (2017). Qualitative enhancement of cucumber with bees (*Apis cerana*) Pollinator at Nagaland condition. *Indian Journal of Entomology*, Volume: 79(2): 160-162. (ISSN:0367-8288).

BOOK CHAPTERS

- Moakala Changkija, Waluniba, Aastik Jha, Yongkongtula, and S.P. Kanaujia (2024). Response of different Organic manures and biofertilizers on yield and economics of Palak (*Beta vulgaries*) under foothill condition of Nagaland. Research advances and challenges in Agricultural Sciences Vol.4 Pg.76-88. B P Internationals, ISBN 978-970187-2-5 (Print), ISBN 978-970187-1-8 (Book)
- Rokozeno, Imtinaro L., Waluniba and Hijam Shila Devi (2023). Insects as an alternative feed for poultry. Recent Advances in Agricultural Sciences and Technology Pg 1379-1384. Dilpreet Publication House, Ariana publishers & Distributors, New Delhi. ISBN 978-93-91995-07-2
- Intinaro L., Rokozeno, Waluniba and Hijam Shila Devi (2023). Entomophagy- why you should eat insects. Recent Advances in Agricultural Sciences and Technology Pg 1622-1628 Dilpreet Publication House, Ariana publishers & Distributors, New Delhi. ISBN 978-93-91995-07-2
- H. Shila Devi, W. Ramdas Singh, Waluniba, Damitre lytan, Rokozeno, Avinash Chauhan, H. Meronbala Devi and Laishram Hemanta (2023). Recent updates on insect pest management using Nanaotechnology. Innovative approaches in Plant protection, Pg. 51-61. Prakhar Goonj Publication, Delhi, ISBN 978-81-960970-1-1
- Waluniba, M. Alemla and Pankaj Neog (2018). Effect of planting dates on the incidence of aphid and serpentine leaf miner on tomato. Sustainable Horticulture, Pg 419-422. Today and tomorrow's Printer and Publishers.
- Malar bui, Waluniba, H.K. Singh and M. Alemla Ao (2018). Pollinator diversity and effectiveness of different bee attractants in the yield of cucumber under Nagaland condition. Sustainable Horticulture, Pg 403-406. Today and tomorrow's Printer and Publishers

TECHNICAL BULLETIN

Akali Sema, Moakala Changkija, Waluniba, Aastik Jha, Yongkongtula and K.K. Jha (2017). Participatory Rural Appraisal Report of Hekheshe Village, Nagaland. Published by ICAR-AICRP-VC, Department of Horticulture, SASRD, Nagaland University.

EXTENSION FOLDERS

- Waluniba, Yongkongtula, Moakala Changkija, S.P. Kanaujia and C. S. Maiti Production Technology of capsicum in bilingual i.e. English and Nagamese. Published by ICAR-AICRP (VC), Department of Horticulture SASRD, Nagaland University.
- Waluniba, Aastik Jha, Moakala Changkija, Yongkongtula, Akali Sema and S.P. Kanaujia. Scientific cultivation of Pumpkin (*Cucurbita moschata* Duch. Ex. Poir) in bilingual i.e. English and Nagamese. Published by ICAR-AICRP (VC), Department of Horticulture SASRD, Nagaland University.
- Aastik Jha, Moakala Changkija, Yongkongtula, Waluniba, Akali Sema and S.P. Kanaujia. 'Preparation of Petha : vegetable based Sweets' in bilingual i.e. English and Nagamese. Published by ICAR-AICRP-VC, Département of Horticulture, SASRD, Nagaland University.
- Moakala Changkija, Aastik Jha, Yongkongtula, Waluniba, Akali Sema and S.P. Kanaujia. 'Production Technology of Ash gourd (*Benincasa hispida*)' in bilingual i.e. English and Nagamese. Published by ICAR-AICRP-VC, Département of Horticulture, SASRD, Nagaland University.
- Yongkongtula, Aastik Jha, Moakala Changkija, Waluniba, Akali Sema and S.P. Kanaujia. 'Production Technology of Brinjal' in bilingual i.e English and Nagamese Published by ICAR-AICRP-VC, Département of Horticulture, SASRD, Nagaland University.
- Yongkongtula, Aastik Jha, Moakala Changkija, Waluniba, Akali Sema and S.P. Kanaujia. 'Production Technology of Cucumber (*Cucumis Sativus*)' in bilingual i.e English and Nagamese. Published by ICAR-AICRP-VC, Département of Horticulture, SASRD, Nagaland University.
- Moakala Changkija, Yongkongtula, Waluniba, Aastik Jha, Akali Sema and S.P. Kanaujia. 'Production Technology of Cherry Tomato (*Solanum Lycopersicum* var. cerasiforme)' in bilingual i.e. English and Nagamese Published by ICAR-AICRP-VC, Departement of Horticulture, SASRD, Nagaland University.
- Aastik Jha, Moakala Changkija, Yongkongtula, Waluniba, Akali Sema and S.P. Kanaujia. 'Layout of Vegetable Crops for Kitchen Garden'. Published by ICAR-AICRP-VC, Département of Horticulture, SASRD, Nagaland University.

ARTICLES

- Astik Jha, Moakala Changkija, Waluniba, Yongkongtula and S. P. Kanaujia (2016) AICRP (Vegetable Crops) - A national grid for vegetable research in the country. Hillagri volume 15:46-50.
- ♦ Waluniba Ajem- Worth experiencing. Hillagri 2011-2012. Pg-31
- **Waluniba** Ajem-The art of soliciting and writing an article. Hillagri 2012-2013. Pg-84

SEMINARS/ WORKSHOPS/ SYMPOSIUM/ FACULTY DEVELOPMENT PROGRAM

- Winter School on Agri- business, Market Intelligence, ICT and Block Chain, Sponsored by Indian Council of Agricultural Research, New Delhi and Organised by Department of Agricultural Economics, Nagaland University, School of Agricultural Science, Medziphema Campus from 14th February to 5th March 2024 (21 days).
- Participated and presented an Oral presentation entitled "Efficacy of some Bio- Pesticides against major Insect Pests of Broccoli (Brassica *oleracea* var. L) at and SJU 1st International Conference

on Multidisciplinary Research and Innovation (ICMRI-2023) organised by Internal Quality Assurance Cell (IQAC), St. Joseph University, Chumoukedima, Nagaland on 9th & 10th November, 2023.

- Participated and presented an Oral presentation entitled "Evaluation of pest management against Insect pest of Okra in foot hills of Nagaland" In National Seminar on climate resilient on millet production technology for sustainable Agriculture organised by college of Agriculture Tripura in association with Nation Bank of Agriculture and Rural Development, Agartala ICAR-Indian Institute of Millet Research, Hyderabad and society of advancement of Agricultural innovation at college of Agriculture Tripura on 28-29 April ,2023.
- ✤ 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from September 01- September 30, 2020
- Massive open online course (MOOC) on Designing E- learning content 31 days, 1st -31st July 2020.
- Participated in the Awareness Program on Science and Technology Intervention in North East region (STINER) held at School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema campus on 20th February 2019.
- Completed 10 days short course on "Development of Agri- Entrepreneurship in NEH Region: A way for doubling the farmers' income", sponsored by ICAR organised by ICAR Research Complex for NEH region, Nagaland Centre, Medziphema from 27th November to 6th December, 2018
- Participated and presented an Oral presentation entitled "Effect of planting dates on the incidence of Aphid and Serpentine leaf miner on tomato" at the National Seminar on "Sustainable Horticulture vis-a-vis changing environment" organised by The Horticulture Society of North East India (HSNEI), Dept. Of Horticulture SASRD, NU. Dept. Of Land Resource Development, Govt. of Nagaland, Dept. Of horticulture, Govt. of India and Central institute of Horticulture, Nagaland, SASRD, NU, Medziphema Campus, Nagaland.
- Participated and presented a Poster titled "quantitative enhancement of cucumber by using honey bee (*Apis cerana*) as pollinator under Nagaland condition" in the Second International Conference on Bio- Resource and Stress Management held at PJTSAU and ANGRAU, Hyderabad, TS, India during 07-10 January, 2015.
- Participated in 4 days workshop on "Statistical methods for the Agricultural sciences" held at the Department of Agricultural Statistics, Assam Agricultural University, Jorhat, Assam, during September 7-10, 2015. Jointly Organised by Interdisciplinary Statistical research Unit (ISRU), Indian Statistical institute (ISI) and Dept. Of Agricultural Statistics, Assam Agricultural University (AAU)
- Participated two days training on "Introduction to Biotechnology and PCR Technique" Held at School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus from 15th to 16th June 2015.
- Participated and presented a Poster titled "To study the pollinator diversity on cucumber and role of honey bee (*Apis cerana*) as an exclusive pollinator at National symposium organised by Entomological Society of India held at the College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh During 14-15 November, 2014.
- Undergone two days training on Capacity building Programme 2014 Under the Aries of Forward Marketing Commission, Department of Economics Affair, Ministry of Finance, Mumbai.
- Participated in two days' workshop on "Poverty, Hunger, Food Security and Nutrition: From Concept to Measurement" jointly organised by Indira Gandhi institute of Development Research (A Deemed University) Mumbai and Department of Economics NU: SASRD, Medziphema Campus, Nagaland.

Completed a course on "Integrated Watershed management Programme" (IWMP) held at resource centre, Ruzaphema. Organised by government of Nagaland Department of Land Resource.

RESOURCE PERSON

- Resource person, Farmers- Scientist interaction on "Holistic management of insect pests of winter vegetable crops" under AICRP (VC) NEH programme, dated on 30-11-2022 at Beisumpuikam village, Peren.
- Resource person, Farmers Training on "Insect Pests Management of Summer vegetable crops" under AICRP (VC)-TSP programme, dated on 9-03-2022 at Beisumpuikam village, Peren.
- Resource person, Skill Training of Rural Youth (STRY) Program under Sub Mission on Agricultural Extension (SAME), Ministry of Agriculture & Farmers Welfare, Government of India on "organic Farming" from 10th – 11th March 2022 organised by SAMATI, Government of Nagaland.
- Resource person, Farmers Training on "Scientific Protection of Summer vegetable crops" under AICRP (VC)-TSP programme, dated on 23-03-2022 at Renthan village, Wokha, Nagaland.
- Resource person, Farmers Training cum input distribution on "Common pest & disease management of fruits and vegetables crops" under AICRP on fruits, dated on 25-02-2022 at Beisumpuikam village, Peren district, Nagaland.
- Resource person, Farmers Training on "Plant Protection Measures on Ginger" under AICRP on Spices, dated on 22-01-2021 at Medziphema village, Nagaland.
- Resource person, Training for ATMA (Agricultural Technology Management Agency) functionaries on "Integrated management practises for Horticultural crops)" from 29th – 30th October 2019 at SAMATI, Medziphema
- Resource person, Farmers training programme on "Insect pest management of cool season vegetable crops" under AICRP (VC)-TSP programme, SASRD, Nagaland University dated on 3-10-2019 at Hekeshe village.
- Resource person, Training for Assistant technology managers (ATM) of ATMA on "Importance of Plant protection measures for Agricultural Crops" from 21st – 22nd may 2019 at SAMATI, Medziphema.
- Resource person, Farmers training programme on "Insect pest management of vegetable and fruit crops" under AICRP (VC)-TSP programme, SASRD, Nagaland University dated on 29-11-2017 at Hekeshe Village.
- Resource person, Counselling for ARS/ NET/ SRF for M.Sc. 1st Year and M.Sc. 2nd year Students on 7th may 2016 at SASRD Medziphema Campus.
- Resource person, Farmers training programme on "Advance protection of summer vegetable crops" under AICRP (VC)-TSP programme, held at SASRD, Nagaland University dated on 10-03-2016.

AWARD

Outstanding Participant for Winter School on Agri- business, Market Intelligence, ICT and Block Chain, Sponsored by Indian Council of Agricultural Research, New Delhi and Organised by Department of Agricultural Economics, Nagaland University, School of Agricultural Science, Medziphema Campus from 14th February to 5th March 2024 (21 days)

PROJECT

- Working as the PI, for startup Projects "to Survey the diversity of mango weevil and its Management"
- Worked as Co- PI on TSP- Onion, funded by ICAR-Directorate of Onion and Garlic Research Pune, Maharashtra from

OTHER CERTIFICATES

- Worked as the first Co-ordinator of "Entomologica Club", a family club where students are given platform to participate and interact about subject matters related to Entomology and also bringing out newsletters and latest information in the field of entomological research.
- Participated and contributed as a Member of AGRI CLINIC during the Naga Kheti Mela 2013 at SASRD, Nagaland University, Medziphema Campus.
- Participated and contributed as **Demonstrator** in AGRI CLINIC for School Of Agricultural Sciences and Rural Development in the North East Region Agri. Expo 2012.
- Participated in Extempore Speech competition held on 28th and 29th August 2009 at 15th General Conference, 2009 organised by Agricultural Students' Association of Nagaland.
- Participated and adjusted first position in "Go as you like" organised by SU: SASRD and Dept. Of Sports, NU from 26th Oct to 30th Oct 2009.
- Participated and adjusted first position in "English duet" organised by SU: SASRD and Dept. Of Sports, NU from 26th Oct to 30th Oct 2009
- Participated in Drama (event) and adjusted 3rd at World Literacy Day Programme on 8th September 2008 organised by NU: SASRD.
- Participated and adjusted 2nd position in Quiz competition during Kilenkaba Memorial College Mastermind held on 23th Sept 2005.
- Participated in the Cultural dance Competition organised by All Nagaland private School Association, Dimapur Unit on 13th September, 2003.