



## PROFORMA OF FACULTY PROFILE

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Date of joining the institution- 18-09-1999

### Education

Examination	Division	Year	Institution	Subjects
Ph.D.		1988	Institute of Agril. Sciences, Banaras Hindu University	Entomology & Agril. Zoology
Ph.D. Thesis	<b>" Properties of OP-sensitive Esterases in developmental stages of <i>Dysdercus koenigii</i> (Linn)".</b>			
M.Sc. (Ag)	1 <sup>st</sup> , OGPA 3.75/4.0	1982	Institute of Agril. Sciences, Banaras Hindu University	Entomology & Agril. Zoology
M.Sc.(Ag.) Thesis	<b>"Insect incidence on certain cultivars of pigeon pea, <i>Cajanus cajan</i> L grown as Kharif and Rabi crops".</b>			
B. Sc. (Ag.)	1 <sup>st</sup> , OGPA 3.23/4.0	1980	Institute of Agril. Sciences, Banaras Hindu University	Agriculture
I.Sc. (Ag.)	II <sup>nd</sup> , 49.3	1976	U.P. Board	Agriculture

### ACADEMIC EXPERIENCE

1. Head, Department of Entomology, School of Agricultural Sciences & Rural Development, Nagaland University, Medziphema Campus, Nagaland from **28 April, 2006 to 2010, & 8<sup>th</sup> August 2013 to August 2016.**
2. Working as Lecture/Reader/Associate Professor/ Professor in the department. (19 years)
3. Teaching under graduate and post graduate classes. (19 years)
4. Research Supervision at Master's and Doctorate level. ( 19 years)
5. Post Doctoral Fellowship from Indian Council of Agricultural Research (ICAR) New Delhi under Prof. H.N. Singh, Department of Entomology and Agricultural Zoology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi to work in the field of Insecticides Resistance Management in *Heliothis armigera*. (1994-1998).
6. Two years 7 months experience as Sr. Technical Assistant (Plant Protection) in ICAR Project

on “Studies on the Development of Scientific Technology for Diaralands of Eastern Uttar Pradesh”. (1989-1991).

7. Four years research experience during Ph.D. on “Properties of OP sensitive Esterases in developmental stages of *Dysdercus koenigii* (Lin.)”. Under Prof. H.N. Singh. (1984-1988).

#### RESEARCH AREA/FIELD OF

Toxicology and Pest Management and productive entomology

#### SPECIALIZATION

Toxicology and Pest Management

#### TEACHING AREAS

Toxicology and Pest Management

#### PUBLICATIONS (RECENT TO OLD)

- A.K. Singh, Deepak Kumar Jaiswal, **H.K. Singh** & R.K. Thakur (2017) Diversity of Bees’ Flora and Floral Calendar of Native Honeybees in Nagaland, India. *Advances in Life Science*
- Arila Langki Thonger, **H.K. Singh** & Tinatoly Sema (2016) Planting dates and varieties vs. cabbage aphid, *Brevicoryne brassicae*. *Indian Journal of Entomology*, 78(1):24-27
- Waluniba, M. Alemla Ao, **H.K. Singh**, Pankaj Neog & Damitre Lytan (2016) Biodiversity of insect pests and its natural enemies in cabbage ecosystems of Nagaland, North-East India. *Environment & Ecology* 34(4):1346-1350
- Arila Langki Thonger, **H.K. Singh** & Tinatoly Sema (2015) Influence of planting dates and varieties on cabbage diamond back moth in Nagaland. *Indian Journal of Entomology*, 77(2):185-188
- K. Singh; **H. K. Singh** & R. K. Thakur (2014) Nesting behavior underground stingless bee (**Proceedings**) International seminar organized by Punjab University from 21-23 Feb. 2014 at Patiala.
- **H.K. Singh** & A.K. Singh, (2014) Role of pollinators in productivity *National Symposium on Entomology as a Science and IPM as a Technology – The Way Forward*. November 14-15, 2014. pp.321-332 (invited lecturer) organized by Entomological Society of India at Pasighat, AP.
- A.K. Singh, **H.K. Singh** (2014) Diurnal Abundances of Insect Pollinators of Sweet Orange. *National Symposium on Entomology as a Science and IPM as a Technology – The Way Forward*. November 14-15, 2014, pp- 12-13. pp- 12-13 (extended Abstract), organized by Entomological Society of India at Pasighat, AP.
- Malar Bui\*, Waluniba, **H.K. Singh** and M. Alemla Ao (2014) The Pollinator Diversity on Cucumber and Honey Bees as an Exclusive Pollinator. *National Symposium on Entomology as a Science and IPM as a Technology – The Way Forward*. November 14-15, 2014, pp- 14. organized by Entomological Society of India at Pasighat, AP.

- Arila Langki Thonger, Tinatoly Sema\* and **H.K. Singh** (2014) Diamondback Moth, *Plutella xylostella* (L.) Incidence in relation to weather parameters and Planting Dates in Cabbage. *National Symposium on Entomology as a Science and IPM as a Technology – The Way Forward*. November 14-15, 2014, pp- 90-91. organized by Entomological Society of India at Pasighat, AP.
- Pankaj Neog and **H. K. Singh** (2013): Potency of some indigenous plant powders against *Callosobruchus chinensis* (L.) infesting rice bean seeds. *Indian Journal of Entomology*, **75**(4), pp 277-281.
- 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. *NURJ*, **6**: 63-67.
- J.Akato Chishi, **H.K. Singh**; & M. Alemla Ao (2012) Influence of tomato genotypes in relation to time of planting against fruit infestation by *Helicoverpa armigera*. Indian Society of Vegetable Science Indian Institute of Vegetable Research, **39**, pp.101-102.
- Akam Zeliang, **H. K. Singh**, Kigwe Seyie and A.K.Singh (2012) Biometric and forage studies on stingless bees in Nagaland. *Indian Journal of Entomology*, **74**, pp 343-347.
- 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.
- Pankaj Neog and **H. K. Singh** (2012) Effect of indigenous plant powders and vegetable oils on the reduction of infestation and weight loss of green gram seeds by *Callosobruchus chinensis* (L.). Proc. 2<sup>nd</sup> International Symposium of Bio-pesticides and Eco-toxicological network (2<sup>nd</sup> IS-BIOPEN) on “*Contribution to Organic Agriculture in the 21<sup>st</sup> Century.*” September 24-26, 2012. Department of Zoology, Faculty of Science, Kasetsart University, Chatuchak, Bangkok 10900, Thailand: pp. 215-221.
- 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.
- Pankaj Neog and **Singh, H. K.** (2011): Effect of Indigenous Plant Powders and Vegetable Oils on Oviposition and Adult Emergence of *Callosobruchus chinensis* (L) on Green Gram seeds. *Managing Sustainable Development of Rural Economy and Agri Business*, ICON BHU, 21-23<sup>rd</sup> January. Institute of Agricultural Sciences, BHU, pp. 84-85.
- A.K.Singh and **H. K. Singh** (2011): Bee provident by virtue of bee keeping. Bee World National Bee Board (10 issue, July-Sept).
- R.Imttonen, **H. K. Singh** & M.Alemla Ao (2011) Measurement of seasonal diversity of coleopteran and hemipteran insects in maize field from three different altitudes of Nagaland. *Indian Journal of Environment and Ecoplanning*, **18**, pp. 81-83.
- R.Imttonen, **H. K. Singh** & M.Alemla Ao (2011) Insect pest population in maize ecosystem at three different locations in Nagaland during September 2002 to August 2004. *Indian Journal of Environment and Ecoplanning*, **18**, pp. 105-107.

- Pankaj Neog and **Singh, H. K.** (2011) Correlation of seed characters of pulses with host suitability and preference of *Callosobruchus chinensis* (L.). *Indian Journal of Entomology*, **73** (4): 365-370.
- Pankaj Neog and **Singh, H. K.** (2011) Qualitative deterioration in the seeds of pulses in storage due to *Callosobruchus chinensis* (L.). *Indian Journal of Entomology* **73** (4): 371-377.
- Pankaj Neog and **Singh, H. K.** (2011): Effect of Indigenous Plant Powders and Vegetable Oils on Oviposition and Adult Emergence of *Callosobruchus chinensis* (L) on Green Gram seeds. *Managing Sustainable Development of Rural Economy and Agri Business*, ICON BHU, 21-23<sup>rd</sup> January. Institute of Agricultural Sciences, BHU, pp. 84-85.
- R.Imtione, **H. K. Singh** & M.Alemla Ao (2011) Measurement of seasonal diversity of coleopteran and hemipteran insects in maize field from three different altitudes of Nagaland. *Indian Journal of Environment and Ecoplanning*, **18**, pp. 81-83.
- R.Imtione, **H. K. Singh** & M.Alemla Ao (2011) Insect pest population in maize ecosystem at three different locations in Nagaland during September 2002 to August 2004. *Indian Journal of Environment and Ecoplanning*, **18**, pp. 105-107.
- Pankaj Neog and **Singh, H. K.** (2011) Correlation of seed characters of pulses with host suitability and preference of *Callosobruchus chinensis* (L.). *Indian Journal of Entomology*, **73** (4): 365-370.
- Pankaj Neog and **Singh, H. K.** (2011) Qualitative deterioration in the seeds of pulses in storage due to *Callosobruchus chinensis* (L.). *Indian Journal of Entomology* **73** (4): 371-377.
- Pankaj Neog and **Singh, H. K.** (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.
- Pankaj Neog and **Singh, H. K.** (2009) Preference of *Callosobruchus chinensis* (L.) to common stored pulses. *Indian Journal of Environment and Eco-planning*, **16** (2-3): 556-560.
- Mhonchumo, Pankaj Neog and **H.K. Singh** (2009): Eco-friendly management of shoot borer and rhizome fly of ginger in Nagaland. *National Symposium on Spices and Aromatic crops* (SYMSAC-V), pp.117-123.
- R.Imtione, **H. K. Singh** & M.Alemla Ao (2009) Measurement of diversity of Hemipteran insects in Maize field from three different altitudes of Nagaland. *Indian Journal of Environment and Ecoplanning*, **16**, pp.527-530.
- R.Imtione, **H. K. Singh** & M.Alemla Ao (2009) Biodiversity index of coleopteran insects collected seasonally from three different altitudes of Nagaland from Maize Ecosystems. *Indian Journal of Environment and Ecoplanning*, **16**, pp.523-526.
- **H. K. Singh**, M.Muthuraman and A.K. Singh (2010) Scope and importance of Meliponiculture in India. *Bee World National Bee Board* (7 issue, Oct-Dec).

- Lalnuntluanga, Joseph and **Singh, H.K.** 2008. Performance of certain chemicals and neem formulations against ginger short borer *Dichocrocis punctiferalis* Guen. *Indian Journal of entomology*, Vol **70**(2):183-186.
- **Singh, H.K.** 2008. Harvest good quality pest free mango, published by HSNEI, Newsletter, pp17 vol.2&3. (**Article**).
- Raju, S.V.S, **Singh, H.K.** and H.N. Singh: 2006. Time and Population Forecasting for Indian Gypsy Moth, *Lymantria obfuscata* Walk. In Kashmir Valley, *Horticulture for Sustainable Income and Environmental Protection*, Concept Publishing Co., New Delhi. (1): 297-307.
- Imosanen and **Singh, H. K.** 2005. Incidence of *H. armigera* (Hub.) and *M. vitrata* (Geyer) on pigeon pea under Medziphema condition of Nagaland, *J. Appl. Zool. Res.*, **16**(1): 85-86.
- Lalrindinki, L. and **Singh, H. K.** 2005. Management of brinjal shoot and fruit borer, *Leucinodes orbonalis* Guenee. 1st Congress of Insect Science, PAU, 143-144.
- Ao, Alemla & **Singh, H.K.** 2004. Use of insect as human food in Nagaland. *Indian J. Ent.* Vol. **66** (4): 308-310.
- M. Alemla. A, **Singh H. K.** and Pankaj Neog. 2003. Brown Shield Bugs Devastate Upland Rice of Nagaland, India. SAIC Newsletter. Vol. 13 No. 3.
- **Singh, H.K.** & M. A. Ao. 2003. Insecticide Resistant Management Strategies for *Helicoverpa armigera*, Proc. *Approaches for Increasing Agricultural Productivity in Hill and Mountain Ecosystem*, (Eds: B.P. Bhatt, K.M. Bujarbarurah, Y.P. Sharma and Patiram, 279-282
- **Singh, H.K.** and R.K. Singh. 2003 Pyrethroid Synergism with vegetable oils against *H. armigera*, National Symposium on Frontier Areas of Entomological Research, Division of Entomology, Entomological Society of India, IARI. New Delhi.
- Singh, H.N., Jose Rose and **Singh, H.K.**, 1996. Insecticide resistance management in *Helicoverpa armigera* at Varanasi. *Pod Borer Management Newsletter*, 6, p. 3.
- Singh H.N., Jose Rose and **Singh, H.K.** 1994. Insecticide resistance management in *Helicoverpa armigera* at Varanasi. *Pod Borer Management Newsletter*, 4, p. 3.
- **Singh, H.K.**, Singh, H.N. and Raju, S.V.S. 1992. Acetylcholinesterase activity and the effect of substrate concentrations in various developmental stages of *Dysdercus koenigii* (F.). *J. Scientific Res.* 41 A 211-217.
- **Singh, H.K.** and Singh, H.N., 1991. Incidence of some major pests of certain late cultivars of pegenionpea, *Cajanus cajan* (L.) during half pod formation stage. *Indian J. Ent.* 53: 298-303.
- **Singh, H.K.** and Singh, H.N., 1991. Effect of DDVP on OP-sensitive esterases in eggs of red cotton bug, *Dysdercus koenigii* (F.) in vivo *Indian J. Ent.* 53: 304-310.
- **Singh, H.K.** and Singh, H.N., 1991. Effect of DDVP on OP sensitive esterases in adults of *Dysdercus koenigii* (F.) in vivo. *Indian J. Ent.* 53: 320-325.

- **Singh, H.K.** and Singh, H.N., 1990. Screening of certain pignonpea cultivars sown as *Kharif* and *Rabi* and crops against tur pod bug. *Clavigralla gibbosa* and pod fly, *Melanogromyza obtusa*. *Indian J. Ent.* 52 (2): 320-327.
- **Singh, H.K.** and Singh H.N., 1990. Carboxylesterases during development of *Dysdercus koenigii* (F). *Indian J. Ent.* 52 (2): 226-229.
- **Singh, H.K.** and Singh H.N., 1990. B. Acetylcholinesterases and Carboxylesterase sensitivity to organophosphate poisoning during different developmental stages of *Dysdercus koenigii* (F.). *Indian J. Ent.* 52 (1): 50-56.
- Singh, R.A., Singh, V.P., V.K. Chandola, Sant Prasad, R.P. Singh, J. Yadav and **Singh, H. K.** 1989. *Ganga Diara Bhumi Mein Adhik Fasalopadan Ki Nai Disayan*. Hindi Bulletin.
- Singh, H.N., Udaya Lakshmi, A. and **Singh, H.K.**, 1984. Natural Parasitization in eggs of *Lymantria obfuscata* (walk) at Srinagar, *Indian J. Ent.*, 46 (3), 366.
- Singh, H.N., Udaya Lakshmi, A. and **Singh, H.K.**, 1984. Time and extend of Parasitization in Indian gypsy moth eggs from soil in Kashmir valley. *Ibid.* p. 85.

#### BOOK CHAPTERS / BOOK

- Raju, S.V.S, **Singh, H.K.** and H.N. Singh: 2006. Time and Population Forecasting for Indian Gypsy Moth, *Lymantria obfuscata* Walk. In Kashmir Valley, *Horticulture for Sustainable Income and Environmental Protection*, Concept Publishing Co., New Delhi. (1): 297-307.
- **Singh, H.K.** and R.K. Singh. 2003 Pyrethroid Synergism with vegetable oils against *H. armigera*, National Symposium on Frontier Areas of Entomological Research, Division of Entomology, Entomological Society of India, IARI. New Delhi.

#### OTHER PUBLICATION (practical manuals / reports, etc. with year of publication)

- Imtinaro L., **H.K. Singh**, Pankaj Neog & J.Akato Chishi, 2016: Practical manual on Insect ecology and principles of pest management for under graduate students. Published by the Depty. Of Entomology, SASRD:NU. Medziphema Campus, Funded by ICAR, New Delhi.
- **H.K. Singh**, J. Akao Chishi, Imtinaro L. & Pankaj Neog, 2014: Practical Manual on Experiential Learning Programme on Apiculture for under graduates students published by the Department of Entomology, SASRD:NU, Medziphe,a, funded by ICAR, New Delhi.
- A.K.Singh and **H. K. Singh** (2011): Bee provident by virtue of bee keeping. Bee World National Bee Board (10 issue, July-Sept).
- **Singh, H.K.** Insect pest scenarios of rapeseed and mustard in North East Region, National Conference on “Emphasizing Recent Advances in Oilseed Production and Industrialization with special reference to Rapeseed-Mustard” held on Nov.,21-23, 2008 organised by Department of Mycology and Plant Pathology, I.A.Sc., BHU, Varanasi. **(Abstract)**.
- Mhonchumo and **H.K. Singh**, 2008. Seasonal Incidence and Eco-friendly Management against Shoot Borer *Dichocrocis punctiferalis* (G) on Ginger in Nagaland held on 6-9<sup>th</sup> Nov., 2008. 3<sup>rd</sup> Indian Horticulture Congress at Bhuneswar, Orissa. **(Abstract)**.

- **R. Imtione, H.K. Singh & M. Alemla Ao**, “Biodiversity of coleopterans fauna in Nagaland maize ecosystems”. National symposium IPM strategies to combat emerging pests in the current scenario of climate change held on college of Horticulture and Forestry, C.A.U, Pasighat, Arunachal Pradesh held on January 29-30, 2009, organized by Entomological Society of India, New Delhi (**Poster presentation**).
- Longkumer, Wapangtoshi and Singh, H. K. 2006. Efficacy of certain synthetic and botanical insecticides against *Earias vittella* Fab. In okra. 8<sup>th</sup> Indian Agricultural Scientist and Farmers Congress, 21-22 Feb., 94.
- Zhimomi, A, M. Alemla, Imtione and **Singh H.K.** 2004. Diversity of Arthropod Fauna associated with rice ecosystem in Nagaland, India, XXII International Congress of Entomology 15-21st August 2004, Brisbane, Queensland Australia.
- M. Alemla Ao and **Singh, H.K.** 2003. Use of insects as human food in Nagaland – as a component of pest management, National Symposium on Sustainable Pest management, Department of Entomology & Agril. Zoology, BHU, Varanasi.
- **Singh, H.K.**; Jose Rose and H.N. Singh.2003. Mechanism of Resistance in *Helicoverpa armigera* (Hub.) at Varanasi. National Symposium on Sustainable Pest management, Department of Entomology & Agril. Zoology, BHU, Varanasi.
- Imlinochet; **Singh H.K.** and M. Alemla Ao. 2003. Field Efficacy of Certain Synthetic and Botanical Insecticides against Rice Leaf Folder. National Symposium on Sustainable Pest management, Department of Entomology & Agril. Zoology, BHU, Varanasi.
- **Singh, H.K.** and Ao, Imti, 2003. Soil surface and night active arthropod populations in maize ecosystem of Nagaland ; National Symposium on Bio-diversity management for 21st century, BHU, Varanasi.
- **Singh, H.K.**, Jose Rose and Singh, H.N. 2003. Behaviour based management of *H. armigera* for promotion of bio-diversity; National symposium on Bio-diversity management for 21st century held on 28-30 June 2003 at BHU, Varanasi.
- **Singh, H.K.** 2001. Insecticide resistance management – Retrospect and Prospect. 5th Agricultural Science Congress, Guwahati organized by National Academy of Agricultural Sciences, New Delhi, Assam Agricultural University, Government of Assam, Agricultural Science Society of N.E. India.
- **Singh, H.K.** and H.N. Singh. 2001. Seasonal insecticide Resistance Kinetic in *H. armigera* in India. 4th Asia-Pacific Conference on Entomology, Kualalumpur, Malaysia.
- **Singh, H.K.** and Singh, H.N. 2000. Some pilot studies on IRM against *Helicoverpa armigera* at Varanasi in eastern U.P. (India) V<sup>th</sup> National Conference of AZRA, Madras Christian College (Autonomous), Tambaram, Chennai 600 059, Tamil Nadu.
- Singh, H.N. and **Singh, H.K.**, 1998. Insecticide resistance management: An overview, ICPPMSA, 11-13 Dec 1998,CSAVA & T, Kanpur
- Singh, H.N. and **Singh, H.K.**, 1998. Pilot studies on IRM against *H. armigera* at Varanasi, National Seminar on Entomology in 21st Century, April 30- May 2, 1998, Rajasthan College

of Agriculture, Udaipur.

- Singh, H.N., Jose Rose and **Singh H.K.**, 1997. Resistance '97' Origin and causes of insecticide resistance in *Helicoverpa armigera* in Eastern U.P. at Integrated Approach to crop Research, Rothamsted, U.K., 14-16 April 1997.
- Singh, H.N., Jose Rose and **Singh, H.K.**, 1996. Evidence of migration of *Helicoverpa armigera* (Hub.) in North India., XIX International Behavioral Ecology Congress, Canberra, Australia.
- Singh, H.N., Jose Rose and **Singh, H.K.**, 1996. Insecticide resistance dynamics in *Helicoverpa armigera* in eastern U.P., India. XX International Congress of Entomology, Frieze, Italy.
- Tripathi, R.K., **Singh, H.K.** and Singh H.N., 1992. Selective Acetylcholinesterase inhibition kinetics in *Dysdercus koenigii* (F.) and its enemies. VI International congress of Entomology, Beijing, China.

#### **Handling of research / development project / consultancy (recent to old)**

Title of project	- All India Coordinated Research Project on Honey Bees and Pollinators
Funding agency	- ICAR, New Delhi
Duration	- plan project
Completed / on – going	- plan project

Title of project	- Ad-hoc Research Project on Bio-diversity of Arthropod Fauna in Rice and Maize Ecosystem of Nagaland.
Funding agency	- ICAR, New Delhi
Duration	- 5 years
Completed / on – going	- Completed



## RESEARCH GUIDANCE

Sl. No.	Topic of the thesis	Name of Student	Degree	Year of award
1.	Evaluation of Conventional Chemicals and botanical insecticides against Rice Stem Borer, Rice Leaf Folder and Rice Gandhi Bug in lowland Paddy of Nagaland.	Mr. Imlinochet	M.Sc(Ag)	2003
2.	Studies on comparative efficacy of certain chemical and botanical insecticides against Maize stem borer ( <i>Chilo partellus</i> Swinhoe) and Maize aphids ( <i>Rhopalosiphum maidis</i> Fitch).	Mr. Kerukuolie Michael Pienyu	M.sc (Ag)	2004
3.	Incidence of insect pest as influenced by different cultivars in pigeon pea ( <i>Cajanus cajan</i> L.) Millsp.	Mr. Imosanen	M.sc (Ag)	2004
4.	Efficacy of certain synthetic and Botanical insecticides <i>E. vittela</i> (F.) and <i>M. pustulata</i> (T.) okra.	Mr. Wapongtoshi Longkumer	M.sc (Ag)	2005
5.	Performance of certain Chemical and Neem formulations against shoot borer <i>D. punctiferalis</i> (G.).	Mr. Joseph Lalnuntluanga	M.sc (Ag)	2005
6.	Management of brinjal shoot and fruit borer, <i>L. orbonalis</i> (G.).	Ms. Lancy Lalrindiki	M.sc (Ag)	2005
7.	Field efficacy of some eco-friendly insecticide against shoot borer and rhizome fly of ginger.	Mr. Mhonchumo Lotha	M.sc (Ag)	2007
8.	Efficacy of some botanicals against <i>Callosobruchus chinensis</i> (L): Bruchidae: Coleoptera, a pest of stored pulses.	Mr. Kevilekho Usou	M.sc (Ag)	2009
9.	Studies on flora and fauna of domesticated <i>Apis</i> spp. and <i>Trigona</i> spp. in two different agro climatic regions of Nagaland.	Mr. Akam Zeliang	M.sc (Ag)	2010
10.	Influence of Tomato genotypes in relation to time of planting against insect	Mr. J. Akato Chishi	M.sc (Ag)	2010

	pest complex.			
12.	Pest complex and their management on Cabbage ( <i>Brassica oleracea</i> var. <i>Capitata</i> L.).	Mr. E.Manihrii Kahesii	M.sc (Ag)	2011
13.	Bio-diversity of arthropod fauna in maize eco-system at different altitudes of Nagaland	R. Imtioneo Ao	Ph.D.	2011
14.	Host preference of <i>Callosobruchus chinensis</i> (L) to common stored pulses of Nagaland and efficacy of some botanicals as grain protectants.	Pankaj Neog	Ph.D.	2011
15.	Influence of sowing dates and varieties on the incidence of pest complex of cabbage.	Ms. Arila L. Thonger	M.sc (Ag)	2012
16.	Role of insect pollinators for enhancing the production of sweet orange [ <i>Citrus sinensis</i> (L.) Osbeck].	Mr. Vanlalmangaiha	M.sc (Ag)	2013
17.	The role of honey bee ( <i>Apis cerana</i> ) as the pollinator for enhancing the yield and quality of cucumber.	Mr. Malar Bui	M.sc (Ag)	2014
18.	Impact of pollinators on qualitative and quantitative parameters of sweet orange [ <i>Citrus sinensis</i> (L.) Osbeck] varieties.	Mr. Tengkam T. Sangma	M.sc (Ag)	2014
19.	Influence of pollinators attractants on pollination, Quantity and Quality of cucumber ( <i>Cucumis sativus</i> L.)	Ms. Rokozeno	M.sc (Ag)	2015
20.	Effect of attractants to enhance the quality and quantity of cucumber ( <i>Cucumis sativus</i> L.) by the pollinators	Ms. Mary Tayeng	M.sc (Ag)	2016
21.	Effect of pollinator-attractants on yield of coriander ( <i>Coriandrum sativum</i> L.) in NU:SASRD Medziphema, Dimapur District of Nagaland	Mr. Sarinangnen Imchem	M.Sc (Ag)	2018
22.	Studies on stingless bees and their utilization in Tomato, <i>Lycopersicon esculentum</i> (Bailey) production	Mr. Malar Bui	Ph.D.	Guiding

## **SEMINAR / CONFERENCE ATTENDED**

## **ORIENTATION/REFRESHERCOURSE/SUMMER SCHOOL ATTENDED**

1. Attended 31<sup>st</sup> Orientation Course held during January 2 – 29 2000 at the UGC-Academic Staff College, Banaras Hindu University, Varanasi – 210 005.
2. Attended the Refresher course at Academic Staff College B.H.U. Varanasi during 27-16 Feb. 2004.

## **TRAININGS ATTENDED**

1. A short training course on “Techniques in Bio-control Research and Development” March 12-26. 1997, Department of Entomology, Center for Plant Protection Studies, T.N.A.U. Coimbatore.
2. A short training attended on “Biological Control of Selected Crop pests in different ago-ecological Regions”, at Project Directorate of Biological Control, Bangalore from 17-02-03 to 26-02-03.
3. Attended short training course on “USE OF COMPUTER” from 28th Aug to 6th Sept. 2004 at Department of Agricultural Economics SASRD, Nagaland University, Medziphema, Nagaland.

## **SCIENTIFIC EVENTS ATTENDED**

1. Nominated as delegate by ICAR to attend conference on native bees and visit to Research farm utilizing stingless bee as pollinator organised by Western Sidney University during 29<sup>th</sup> June- 5<sup>th</sup> July, 2018.
2. As a resource person: delivered a lecture on major insect pest of horticultural crops and its management at Central Institute of Horticulture, GOI, Medziphema, 2017.
3. **As a resource person:** Delivered a special lecture on Role of pollinators in productivity *National Symposium on Entomology as a Science and IPM as a Technology – The Way Forward*. November 14-15, 2014.
4. National Workshop on Preparation of Detail Project Report (DPR) in Horticulture, organized by National Institute of Agricultural Extension Management (MANAGE) Hyderabad, A.P., India, held on 9<sup>th</sup> to 10<sup>th</sup> May 2012 at CIH, Medziphema
5. Oral presentation on Effect of indigenous plant powders and vegetable oils on the reduction of infestation and weight loss of green gram seeds by *Callosobruchus chinensis* (L.), at Kasetsart University Bangkok held on September 24-26, 2012.
6. National Seminar Mahamanas Vision for a self reliant India: Current issues and future prospects, held on Jan, 29-30, 2009, organized by B.H.U. Varanasi.
7. National Biennial Group Meeting, All India Coordinated Research Project (Honey Bees and Pollinators) held on 19-20<sup>th</sup> Feb. 2009 at Rajendra Agricultural University, Samastipur, Bihar.
8. National Conference on “Emphasizing Recent Advances in Oilseed Production and Industrialization with special reference to Rapeseed-Mustard” held on Nov. 21-23, 2008 organized by Department of Mycology and Plant Pathology, I.A.Sc., BHU, Varanasi.
9. **As a resource person** on Integrated Pest Management (IPM) in Paddy and maize for fourteen days training programme on “ Livelihood Improvement through Integrated Watershed Management” organized by ICAR Complex for NEH Region, Nagaland Centre on 09-03-2009.

10. National symposium on soil pest and soil organism from 29th to 31st Oct. 1984, organized by Deptt. of Entomology and Indian Society of Soil Biology and Ecology at Deptt. of Entomology, BHU, Varanasi.
11. First *Heliiothis* Research Network meeting at CTCRI, Rejamunderi. Andhra Pradesh during Aug.16-18, 1995.
12. Second *Heliiothis* Research Network meeting at Dharward Agricultural University, Dharward, Karnataka during Jan.17-18, 1996.
13. Third *Heliiothis* Research network meeting at Gujarat Agriculture University, Anand, Gujarat during Feb-18-19, 1997.
14. National Seminar on Entomology in 21st Century, April 30- May 2, 1998, Rajasthan College of Agriculture, Udaipur.
15. National Conference on ICPPMSA, 11-13 Dec, 1998;CSAVA & T, Kanpur.
16. V<sup>th</sup> National Conference of AZRA Madras Christian College (Autonomous), Tambaram, Chennai 600 059 Tamil Nadu .
17. 5th Agricultural Science Congress, April 4 – 7, 2001, Guwahati organized by National Academy of Agricultural Sciences, New Delhi, Assam Agricultural University, Government of Assam, Agricultural Science Society of N.E. India.
18. National Seminar on AIAPHE, from 27 – 29 September, 2001 at ICAR Research Complex, Umiam, Meghalaya..
19. National Symposium on Sustainable Pest management, Jan 2-4, 2003 at Department of Entomology & Agril. Zoology, BHU, Varanasi.
20. National Symposium on Sustainable Pest management, Jan 2-4, 2003 at Department of Entomology & Agril. Zoology, BHU, Varanasi.
21. National Symposium on Bio-diversity management for 21st century, held during 28-30 June 2003 at BHU, Varanasi.
22. National Symposium on Frontier Areas of Entomological Research, 5-7th Nov. 2003, Division of Entomology and Entomological Society of India at Division of Entomology, IARI., New Delhi.
23. National Seminar on Horticulture for Sustainable Income and Environmental Protection, 24th -26th Feb., 2004. By Department of Horticulture, SASRD, Nagaland University, Nagaland.
24. 7<sup>th</sup> AZRA Conference on Recent trends in applied Zoological research towards food and nutritional security and their impact on environment: Challenges ahead, 14-16th Sept 2005, QUAT, Bhubaneswar, Orrisa

#### **OTHER INFORMATION:**

#### **FELLOWSHIP AWARD**

UGC Junior Research Fellowship from 1985 to 1988 during research works for Ph.D.

#### **RECOGNITION**

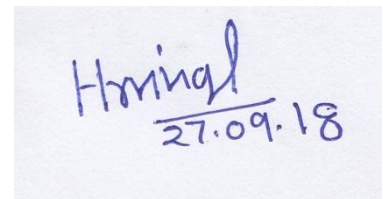
1. Nominated as **Fellow** of Entomological Society of India, New Delhi.
2. Nominated as **Fellow** of the Society for the protection of Environment and sustainable development

at BHU, Varanasi for the year 2003.

3. Elected as **Counselor** of Entomological Society of India, New Delhi.

### **EXPERIENCE IN EDUCATIONAL ADMINISTRATION**

1. Chairman, Board of Post Graduate Studies, Department of Entomology, Nagaland University, SASRD, Medziphema Campus w.e.f. 28 April, 2006 to 2010, & 8<sup>th</sup> August 2013 to August 2016..
2. Subject matter expert for RAWE Programme in Nagaland University. SASRD, Medziphema from 2003 – 2005.
3. Subject matter expert for farmer cells Nagaland University. SASRD, Medziphema since 2005 to 2008.
4. Member of Academic Council, Nagaland University, Kohima, Nagaland, 28 April, 2006 to 2010, & 8<sup>th</sup> August 2013 to August 2016.
5. Member of University Court, Nagaland University, Kohima, Nagaland, w.e.f. 28 April, 2006 to 2010, & 8<sup>th</sup> August 2013 to August 2016.
6. Member of Board of School, SASRD, Nagaland University, Medziphema Campus, Nagaland 2000 – 2002, 28 April, 2006 to 2010, & 8<sup>th</sup> August 2013 to August 2016..
7. Member of Campus Development Board, SASRD, Nagaland University, Medziphema Campus, Nagaland, w.e.f. 28 April, 2006 to 2010, & 8<sup>th</sup> August 2013 to August 2016.
8. Participated in Naga Kheti Mela during October 2013 and the stall of the Department of Entomology won consolation prize.
9. Conducted external review of the project Promotion of Modern Beekeeping for Sustainable Livelihood in Tizy Watershed Region of Tuensang, Zunheboto and Kiphire Districts (Nagaland) implemented by Nagaland Bee and Honey Mission (NBHM) under the North East Initiative of Navajbai Ratan Tata Trust (NRTT) during April-May 2014.



Signature