

PROFORMA FOR FACULTY PROFILE

Name : **L. Tongpang Longkumer**
 Current designation : Professor
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 Dimapur, 797116, Nagaland
 Contact No. : 9436061354
 Date of joining the institution : 01/09/2000

Education :

Sl. No.	Examination passed	Div/% of marks	Subject	Year of passing	Board/ University	Distinction achieved
1	Ph. D	Qualified	Agronomy	2013	N.U.	-
2	M.Sc. (Ag)	1 st (86%)	Agronomy	2000	N.U.	1st Rank Gold Medal
3	B.Sc. (Ag.)	2 nd (74%)	Agronomy, Horticulture, Soil Science, Genetics & Plant breeding, Agri. Engg, Extension Edn.	1987	N.E.H.U.	-
4	P.U. (Ag.)	1 st (70.4%)	English, Biology, Chemistry, Maths, Horticulture, Agronomy	1984	N.E.H.U.	University 7th Rank
5	HSLC	2 nd (51.5%)	English, Science, Maths, Social studies	1982	N.B.S.E.	-

Special Awards : *University Gold Medal in M.Sc.(Ag) in the year 2000*

ICAR NET : *Qualified (2001)*

Academic Experience : 18 years.

Employer	Status of Institute /University	Post Held	Period of employment	
			From	To
Nagaland University	Central	Professor	10-09-2016	Till date
Nagaland University	Central	Associate Professor	10-09-2013	05-09-2016
Nagaland University	Central	Lecturer/Astt. Professor	01-09-2000	09-09-2013

Research Area/Field of Specialization	: Weed management & Cropping systems
Teaching areas	: Weed management, Cropping systems, Sustainable agriculture, Organic farming, Nutrient management, Crop production

PUBLICATIONS:

- 1) Lowrence Kithan and **L. Tongpang Longkumer (2017)**. Production Potential of Maize (*Zea mays* L.) based intercropping systems under foothill condition of Nagaland. *International J of Bio-resource and Stress Management* 8 (5):628-634
- 2) Lowrence Kithan and **L. Tongpang Longkumer (2017)**. Economics of Maize (*Zea mays* L.) and Soybean (*Glycine max* (L) Merrill] intercropping. *International J of Bio-resource and Stress Management* 8 (3):401-404
- 3) Lowrence Kithan and **L. Tongpang Longkumer (2016)**. Effect on yield and weed dynamics in Maize (*Zea mays* L.) based intercropping systems under foothill condition of Nagaland. *International J of Economic Plants* 3 (4): 159-167
- 4) Lowrence Kithan and **L. Tongpang Longkumer (2016)**. Effect on growth and economics in Maize (*Zea mays* L.) based intercropping systems. *International J of Economic Plants* 3 (4): 150-158
- 5) Mengi. L., N.C. Sarkar, Hemkalyan Verma and **L. Tongpang Longkumer (2016)** Influence of different sources of nutrient on productivity of upland rice (*Oryza sativa* L.) *International J of Bio-resource and Stress Management* 7 (3): 450-454
- 6) Atuo Kharutso, A.P. Singh, **L. Tongpang Longkumer**, P.L. Singh and P.K. Singh (2016) Effect of organic manures and *Azospirillum* on productivity and economics of maize (*Zea mays* L.) *Asian J Soil Sci* 11 (1):213-216
- 7) Nzanbemo T Erui, Lowrence Kithan, P.L. Singh, A.P. Singh and **L. Tongpang Longkumer (2015)**. Effect of Integrated nutrient supply on productivity and nutrient uptake in rice under upland condition of Nagaland. *Ind J of Crop Ecology* 3 (4): 9-14
- 8) Moasunep, P.L. Singh and **L. Tongpang Longkumer (2014)**. Effect of various weed management practices on pigeon pea (*Cajanus cajan* L. Millsp.). *International J of Bio-resource and Stress Management* 5(4)
- 9) Lowrence Kithan and **L. Tongpang Longkumer (2014)**. Effect of Maize (*Zea mays* L.) and Soybean (*Glycine max* (L) Merrill intercropping on weed dynamics, Soybean Research (Special Issue): Soybean Research (Special Issue No. 2) :312-316
- 10) **L. Tongpang Longkumer and P.L. Singh. (2013)**. Economics of upland Rice-Linseed cropping system. *Nagaland University Research Journal*. Vol. 6, 2013:117-131

- 11) **L. Tongpang Longkumer and P.L. Singh. (2013).** Response of rice (*Oryza sativa* L.) to sowing dates, nutrient and weed management. *International J of Bio-resource and Stress Management.* 4(4):524-529
- 12) **L. Tongpang Longkumer and P.L. Singh. (2013).** Residual effect of sowing dates, nutrient and weed management in rice on growth and yield of succeeding Linseed. *International J of Bio-resource and Stress Management.* 4(!):028-033
- 13) Imtisenla Walling, **L. Tongpang Longkumer and P.L. Singh. (2012).** Crop-Weed Competition on Growth and Yield of Soybean (*Glycine max*). *International J of Bio-resource and Stress Management.*
- 14) S. K. Nayak, P.L. Singh, P. Ahmed and **L. T. Longkumer. (2006).** Effect of phosphorous and farmyard manure on yield, quality and nutrient uptake of soybean. *Ann. Pl. soil Res.* 8 (1):88-89.
- 15) J. Longkumer and **L. Tongpang Longkumer. (2006).** Gender concerns and food security in rice farming systems in Nagaland. *North East indigenous studies.* 1 (2): 130- 137.
- 16) Laskar, H., Singh, M. K. and **Longkumer, L. T. (2005).** Integrated weed management in rice + groundnut intercropping under rainfed conditions of Nagaland. Extended summaries, National Biennial conference, ISWS, P.A.U. 143-144.
- 17) Laskar, H., Singh, M. K. and **Longkumer, L. T. (2005).** Economics of Integrated weed management in rice based intercropping under rainfed conditions of Nagaland. *Indian J Weed Science.* 37 (1&2):111-113
- 18) **L. Tongpang Longkumer and N.P.Singh (2004)** “Economics of Weed management in upland direct seeded rice (*Oryza sativa* L.) under Agro-ecological situation of Nagaland”. *Nagaland University Research Journal*, Vol. 2, 60-61.
- 19) N.P. Singh and **Tongpang Longkumer (2001)** “Effect of weed management practices on weed population, weed dry matter and yield and economics of upland direct seeded rice (*Oryza sativa*) Cv.Nagaland Local”. *Indian J of Hill Farming* 15(1): 122-124.

Abstracts:

- N.P. Singh and **L. Tongpang Longkumer. (2001).** “Effect of weed management practices on weed population, dry matter, weed control efficiency, yield and economics of upland direct seeded rice (*Oryza sativa*) Cv.Nagaland Local”. National Seminar on “Approaches for increasing Agril. Productivity in hill and mountain ecosystem”. ICAR Research Complex for NEH Region, Umiam, Meghalaya. October 18-20, 2001.

- Imtisenla Walling, **L. Tongpang Longkumer** and P.L. Singh. (2011). Effect of Crop-Weed Competition on Growth and Yield of Soybean (*Glycine max*). National Seminar on Sustainable Natural Resources and its utilization for enhancing Agricultural productivity in India. 17-19 November, 2010. School of Agricultural Sciences and Rural Development, Medziphema, Nagaland.
- C. Rualthankhuma, N.C. Sarkar, Mhalevillie Thorie, P. L. Singh, **T. Ao** and T. Gohain. (2011). Efficacy of organic sources on productivity and nutrient uptake of rice (*Oryza sativa L*) under agro-climatic condition of Nagaland. National Seminar on Sustainable Natural Resources and its utilization for enhancing Agricultural productivity in India. 17-19 November, 2010. School of Agricultural Sciences and Rural Development, Medziphema, Nagaland.
- **L. Tongpang Longkumer** and P.L. Singh. (2013). Response of rice (*Oryza sativa L*) to Sowing dates, Nutrient and Weed management. “International Conference on Bio-resource and Stress management”. 6th to 9th February, 2013, Kolkata, India.
- **L. Tongpang Longkumer** and P.L. Singh. (2013). Response of rice (*Oryza sativa L*) to Sowing dates, Nutrient and Weed management. “International Conference on Bio-resource and Stress management”. 6th to 9th February, 2013, Kolkata, India.

Books Chapter/Articles/Books Edited:

- 1) Water and its importance in relation to crop Production. Nagaland Post dated December 7 (4), 2001.
- 2) Edited Nagaland State Agril. Research Station (SARS) Research Publication, Vol 1, 2015.
- 3) Scope and Potential of oilseeds and pulses in Hill Agriculture. Book chapter published by ICAR KVK, Longleng, Nagaland.

Laboratory/technical manual/curricula based books:

1. **Longkumer L. T**; Singh, P. L. and Sarkar, N.C. (2010). “Practical Manual on Agro-Meteorology” for B.Sc. (Ag).
2. Sarkar, N. C.; Singh, P. L. and **Longkumer, L. T.** (2011). “Practical Manual on Soil Fertility”.
3. **Longkumer, L. T.**; Singh, P. L.; Gohain, T. and Sarkar, N. C. (2011). “Practical Manual on Weed management”.
4. Lanunola Tzüdir., **Longkumer, L.T.** and Singh, A. P.(2013) “ Practical Manual on Water management including micro-irrigation”.
5. Manoj Dutta., Sewak Ram, and **Longkumer, L.T.** (2013) “Courses and Curriculum for B.Sc. (Ag.) Hons”.
6. Singh,A.P., **Longkumer,L.T.** and Singh, P. L.(2014) “ Practical Manual on Organic Farming”.

7. Debika,N., **Longkumer, L.T.** and Singh, P.L. .(2014) “Practical Manual on Farming System and Sustainable Agriculture.
8. Singh,A.P., **Longkumer, L.T.** and Singh, P. L.(2015) “ Practical Manual on Principles & Practices of Weed management”.
9. Gohain, T and **Longkumer, L. T.** (2015) “Manual on Practical Crop Production”.
10. Lanunola Tzudir and **Longkumer, L.T.** (2016) “Practical Manual on Principles of Agronomy & Agriculture Meteorology”.
11. Gohain, T., Debika N and **Longkumer, L. T.** (2016). Practical Manual on Field Crops-II (Rabi Crops).
12. **Longkumer, L. T.;** Singh, P. L. and Singh A.P. (2017). “Practical Manual on Weed management”.

Booklets/Bulletins/Leaflets:

- 1) Strategic Research and Extension Plan for ATMA, Mon district
- 2) Manual for SHGs
- 3) 2,4-D in lieu of Common Salt
- 4) System of Rice Intensification
- 5) Pigeon pea cultivation practices
- 6) Booklet on Soybean cultivation practices (English, Nagamese and 6 other local dialects)
- 7) Booklet on Linseed cultivation practices (English, Nagamese and 3 other local dialects)
- 8) Booklet on Maize cultivation (English and Nagamese)
- 9) Booklet on Cardamom cultivation (English and Nagamese)
- 10) Booklet on Ginger cultivation

Handling of Research /development projects/consultancy (recent to old):

Sl. No.	Title	Agency	Period	PI/Co-PI/Assoc. Scientist/Co-op Member	Grant/Amount Mobilized (Rs. in lakhs)	Completed /Ongoing
1	All India Co-ordinated Research Project on Linseed	ICAR	2018 onwards	PI		<i>Ongoing</i>
2	All India Co-ordinated Research Project (AICRP-Linseed, TSP)	ICAR	2014-16	Prog. Officer & Assoc. Scientist	5.1 lakhs	<i>Completed</i>
3	All India Co-ordinated Research Project on Soybean (AICRP-Soybean-TSP)	ICAR	2013 - 16	Prog. Officer & Assoc. Scientist	15.522 lakhs	<i>Completed</i>
4	Impact assessment of Jhumming on native plants and	DBT	(2012-13 to 15-16)	Co-PI	49.64 lakhs	<i>Completed</i>

	soil micro-biota and restoration of sustainable jhum agro-ecosystem in Northeast India.					
5	National Agricultural Innovative Programme	ICAR	6 years	Co-opted member	174 lakhs	<i>Completed</i>

Research guidance:

PhD in Agronomy as Supervisor

Sl. No.	Name of students	Roll No	Title of Thesis	(Awarded/ Ongoing)
1.	Lowrence Kithan	Ph-149/13 Regd.No. 652/2015	“Production potential and Weed dynamics of Maize (<i>Zea mays L.</i>) based intercropping systems under foothill condition of Nagaland.”	Awarded w.e.f. 11/12/2017
2.	Z. Kawikhonliu	Ph-161/14	“Biofortification of maize through zinc and organic manur application under Nagaland condition.”	Ongoing
3.	Arenjungla	Ph-190/15	Response of rice (<i>oryza sativa l.</i>) to integrated nutrient management and liming and their residual effect on succeeding pea (<i>Pisum sativum L.</i>)”	Ongoing
4.	Ch. Roben Singh	Ph-192/15	“Evaluation of maize (<i>zea mays L.</i>) based intercropping systems as influenced by planting geometry and weed managment practices under rainfed condition”	Ongoing

M.Sc. (Ag.) (Major Advisor)

Sl. No.	Name of students	Roll No	Title of Thesis	(Completed/ Ongoing)
1.	Imtisenla Walling	M-267/04	Studies on Crop-Weed competition in Soybean (<i>Glycine max (L.) Merrill</i>) under mid hill conditions of Nagaland.	Completed
2.	Lowrence Kithan	M-481/10	“Effect of Maize (<i>Zea mays L.</i>) and Soybean (<i>Glycine max (L.) Merrill</i>) intercropping on weed dynamics”.	Completed

3.	Nagato Aye	M-537/11	“Effect of Sunflower (<i>Helianthus annuus</i>) and Soybean (<i>Glycine max</i> (L.) Merrill) intercropping on weed parameters”.	Completed
4.	Sentirenla Changkija	M-540/11	“Effect of organic nutrient sources on growth and productivity of Soybean (<i>Glycine max</i> (L.) Merrill)”	Completed
5.	Nungsangkala	M-542/11	“Response of Sesamum (<i>Sesamum indicum</i>) to different organic nutrient sources”.	Completed
6.	Nievah Hangsing	M-591/12	“Response of Cowpes (<i>Vigna unguiculata</i>) to different nutrient sources”.	Completed
7.	Angha Millo	M-594/12	“Effect of Integrated Nutrient management in Sunflower (<i>Helianthus annuus</i>)”	Completed
8.	Khesi Yhokha	M-675/13	“Study on Soybean (<i>Glycine max</i> (L.) Merrill) intercropping on weed dynamics”.	Completed
9.	Kewe Rhakho	M-757/14	Effect of lime and INM on productivity of sesame (<i>Sesamum indicum</i> L.)	Completed
10.	Moarenla Sanglir	M-788/14	“Effect of lime and Integrated Nutrient Management (INM) on productivity of maize (<i>Zea mays</i> L.)”	Completed
11.	Ruth Apon	M-837/15	“Effect of lime and integrated nutrient management on linseed (<i>Linum usitatissimum</i> L.)	Completed
12.	Dambera M Sangma	M-959/16	Effect of planting density and INM in sesame (<i>Sesamum indicum</i> L.)	Completed
13.	Neilhiu Lasuh	M-963/16	Effect of planting density and Boron on growth and yield of sunflower (<i>Helianthus annuus</i>)”	Completed
14.	R. Lalriathpuia	M-987/16	“Effect of lime on growth and yield of Soybean (<i>Glycine max</i> (L.) Merrill) under rainfed condition of Nagaland”	Completed
15	Mughavi	M-1045/17	Effect of planting density and phosphorous levels on growth and yield of black gram (<i>Vigna mungo</i> L)	Ongoing
16	Tolika	M-1097/17	Effect of Organic manures and lime on growth and yield of green gram (<i>Vigna radiata</i> L)	Ongoing

Seminars, Conferences attended

Sl. No.	Title of the papers presented	Title of the conference/ seminar	Organized by	Whether Internationnal/ National/State/ Regional/ College/ University level
1	Role of bio-fertilizers in Pulse production.	<i>State Level Collaborative Training</i> on “Pulse Production Technology”,	Department of Agronomy SASRD, Nagaland University, Medziphema 20 – 24 th March, 2001	State
2	Biofertilizers for sustainable crop production.	“ <i>Training on Biofertilizers</i> ” for Agri. Officers of Nagaland State	Dept. of Agriculture, Govt. of Nagaland at Integrated Extension Training Centre, Medziphema, Nagaland on 03-04-2002.	State
3	Gender concerns and food security in rice farming systems in Nagaland	<i>Workshop</i> on “Rice Heritage of the Northeast: Challenges, Opportunities and strategies for the Future”	M. S. Swaminathan Research Foundation, Chennai & ICAR at ICAR Research Complex for NEH Region Umiam, Meghalaya. 5-6 th Nov’, 2004.	National
4	Weed management in organic farming	“ <i>Training on Organic Farming</i> ”.	Dept. of Agriculture, Govt. of Nagaland at Integrated Extension Training Centre, Medziphema, Nagaland on 07-09-2004.	State
5	Mushroom production	<i>Training cum Demonstration</i> programme for farmers	NU: SASRD, Medziphema Nagaland, at Yongam village, Longleng District. 26 th -27 th Sept, 2005	State
6	Participant	<i>Consultation Workshop</i> on “International Year of Mountains 2002”	G.P. Pant Institute of Himalayan Environment & Development, North East Unit, Itanagar and Department of GPB, NU, SASRD, Medziphema Campus.	National

			Saramati Hotel, Dimapur, Nagaland on 30 th December 2002,	
7.	Participant	<i>Patent Awareness Workshop.</i>	Dept. of science & Technology, Govt. of India, New Delhi and IPR Cell, Assam. Assam Agricultural University, Jorhat, 30 th May 2003	National
8	Participant	Seminar on Perspectives on Higher Education in Nagaland held on 13 th & 14 th October, 2004	Central Executive Council, Nagaland University Teachers' Association at SASRD, Medziphema Campus, Nagaland University, Nagaland.	State
9	Participant	<i>National seminar on Horticulture for Sustainable Income and environmental Protection</i> ".	Horticulture department, NU:SASRD, and Govt. of Nagaland. NU:SASRD, Medziphema Campus,	National
10	Expert participant	<i>State Level Monitoring Committee Meeting for centrally sponsored Schemes</i>	Dept. of Agriculture, Govt. of Nagaland. ICAR Complex, Jharnapani. 21-05-2004.	State
11	Expert participant	<i>State Level Quarterly Workshop on "T & V Programme.</i>	Dept. of Agriculture, Govt. of Nagaland. Directorate of Agriculture, Kohima, Nagaland. 16 th June, 2004.	State
12	Expert participant	<i>State Level Quarterly Workshop on "T & V Programme.</i>	Dept. of Agriculture, Govt. of Nagaland. Tourist Lodge, Dimapur. 10 th march, 2005.	State
12	Participant	<i>Workshop on "Potential growth & Development of Medicinal & Aromatic plants to provide alternative</i>	National Institute of Rural Development, North Eastern Regional Centre, Jawahar Nagar, Guwahati. 23 rd -24 th March, 2007	National

		employment opportunities to Rural poor and youth”.		
13.	Participant	<i>Training of TOT-II</i> “on Integrated Wasteland Development Programme (IWDP)”	National Institute of Rural Development, North Eastern Regional Centre, Jawahar Nagar, Guwahati. 24 th -29 th Sept, 2007	National
14.	Participant	<i>Training of TOT</i> on “Banana Fibre Extraction”.	CIH, DAC, Ministry of Agriculture, Govt. of India, NRC on Mithun, Jharnapani, Nagaland. 28 th Feb to 1 st Mar, 2009	State
15.	Participant	<i>National Seminar</i> on “Sustainable Natural Resources and its utilization for enhancing Agricultural productivity in India”.	Dept. of Agricultural Economics, NU:SASRD, Medziphema, 17 – 19 Nov, 2010	National
16.	Moderator	Farmers’ - Scientists interaction on 16-18 th December, 2010. North East Agri-Expo’ 2010.	Govt. of Nagaland. Dept. of Forest, ecology, environment & Wildlife.	Regional
16.	Rapporteur	<i>Seminar on</i> North East Marketing Summit	Ministry of Agriculture, Govt. of India, CIH, Dept. of Agriculture, Govt. of Nagaland & FICCI. North East Agri Expo, Dimapur, Nagaland	National
17.	Participant	<i>Workshop</i> on Experiential Learning, Monitoring & Evaluation.	UAS, Dharwad. 27-29 th October, 2010.	National
18	Theme Speaker	“ <i>Terajem Lanur</i> ” (An understanding Youth) Seminar for	Seminar organized by Ao Union, Medziphema on 20 th	State

		Ao Students Union, Medziphema	Dec, 2011	
19	Response of rice (<i>Oryza sativa L.</i>) to sowing dates, nutrient and weed management	<i>International Conference on Bio-resource and Stress Management.</i>	International Society of Bio-resource and Stress management. Kolkata Science City, 6-9 th February, 2013.	International
20	Participant	Summer School on “ <i>Agri Business and Market Intelligence</i> ”	Dept. of Agricultural Economics, SASRD, Nagaland University, Medziphema, SASRD, Nagaland University, Medziphema. 06 th September to 26 th September, 2013.	National
21	Theme Speaker	Seminar for Waromung Students’ Union	1 st General Conference of Waromung Students’ Union. 18 th to 20 th Dec, 2013	State
22	Theme Speaker	Waromung Citizens forum	46 th Waromung Senso Telongjem. 8 th to 9 th Jan, 2014	State
23	Participant	Regional workshop on Review of CSS and Training Planning for EEI and SAMETI’s of NE State	Extension education Institute (NE Region) Ministry of Agriculture, GOI. 6-7 th March 2014.	Regional
24	Some important forage and fodder crops during drought period	Awareness programme on management of livestock feed & diseases during drought period.	Department of Livestock Production & management, SASRD, 04/08/2014 at SASRD.	State level
25	Sustainable Agriculture	Farmers’ - Scientists’ Interaction on “Sustainable Agriculture and Livestock Farming”	Farmers’ Cell, SASRD on 10 th March, 2015	District level
26	Theme Speaker	23 rd Public meeting of Ao senso telongjem Padumpukhuri,	Ao senso telongjem Padumpukhuri, Dimapur on 29 th Nov, 2014	Village level

		Dimapur.		
27	Effect of Integrated Nutrient Management in Sunflower (<i>Helianthus annuus</i>)	International Conference on “Bio-Resource and Stress Management”	International Society of Bio-resource and Stress management at ANGRAU, Hyderabad from 07 th to 10 th Jan, 2015.	International
28	Participant	National Seminar on “Sustainable Horticulture vis-à-vis Changing Environment”	Horticulture Society of NE India, NU:SASRD, 26 th -28 th Feb, 2015.	National
29	Organizing Secretary and Resource person	Farmers’ Fair, 2016	Farmers’ Cell, NU: SASRD from 12 th to 13 th April, 2016 at SASRD.	State
30	Participant	25 th Asian-Pacific Weed Science Society Conference at PJT State Agricultural University, Hyderabad.	Indian Society of Weed science, 13 th -16 th Oct, 2015.	International
31	1) Scope and Potential of Pulses and Oilseeds in Hill agriculture. 2) Integrated Weed management in Jhum	Training programme on “Sustainable Jhum Farming for Conservation of Natural Resources and Food Security” from 29 th March to 1 st April, 2016 at ICAR Research complex for NEH Region, Jharnapani	ICAR, KVK, Longleng	State level
32	Road map for new millennium through Sustainable approach in Agriculture	Winter School on “Role of Agri Business and Market Intelligence for Sustainable Agriculture Development”	Dept. of Agricultural Economics, NU:SASRD, Medziphema from 06 th to 26 th Sept, 2016.	National

33	Cultivation practices of important Pulses & Oilseeds	Training for ATMA functionaries at SAMETI, Medziphema.	SAMETI, from 28 th to 30 th July, 2015.	State level
34	Soil management in Conservation Agriculture	Training for Deputy Project Directors of ATMA.	SAMETI, Medziphema from 16 th to 17 th February, 2016.	State level
35.	Sustainable Agriculture	Training for Block Technology Managers of ATMA	SAMETI, Medziphema from 27 th to 28 th June, 2016.	State level
36.	Climate Smart Agriculture	Training for Deputy Project Directors of ATMA.	SAMETI, Medziphema from 10 th to 12 th September, 2018.	State level

Any other information:

Administrative Experience :

- Project Director, ATMA & District Project Officer, Dept. Of Land Resources (2 years 8 months).
- Incharge, Academic & Exams (UG), NU: SASRD, Medziphema campus (2 years).
- Head, Department of Agronomy (3 years).

Countries visited : Singapore, Hongkong, Malaysia and Thailand.

Signature