

Curriculum Vitae

Name : **Dr. Debika Nongmaithem**

Designation : Assistant Professor

Department : Agronomy

Address : School of Agricultural Sciences, Nagaland
University: Medziphema

Email : debikanong@gmail.com

Gender : Female

Date of birth : 23/11/1985

Marital Status : Married

Nationality : Indian

Languages known : English, Hindi, Manipuri, Nagamese

Mobile Number : 9862245095

Year of joining : September, 2013

Area of specialization : Weed management

ACADEMIC QUALIFICATIONS

Examination passed	Name of Board/University	Year of Passing	Marks secured
Matriculation (HSLCE)	Board of Secondary Education, Manipur (BOSEM)	2001	75.33%
Intermediate (HSE)	Council of Higher Secondary Education, MANIPUR (COHSEM)	2003	68.60%
B.Sc. (Agriculture)	College of Agriculture, CAU, Imphal	2007	8.24
M.Sc. (Ag.)	Bidhan Chandra Krishi Viswavidyalaya (BCKV)	2009	8.82
Ph.D.	Bidhan Chandra Krishi Viswavidyalaya (BCKV)	2013	8.76

ACADEMIC ACHIEVEMENT

Qualified ICAR NET 2010 in Agronomy and Agricultural Meteorology

PROFESSIONAL RECOGNITION

1. Awarded the Young Scientist Award in the National Conference on “Anthropology: Biological diversity and affinities- a critical rethinking of the enduring issues in India, 17-18th March, 2022, St. Joseph University, Nagaland in association with DRDO, DST-SERB, INSA and CSIR”.
2. Awarded Young Fellow Award in the National Seminar on Sustainable Emerging Approach in Agri-Business Development held during 1-3 November, 2023, organised by Department of Agricultural Economics, School of Agricultural Sciences, Nagaland University: Medziphema Campus, Nagaland.

Research Degree:

Degree	Title	Date of Award	University
Ph.D.	Evaluation of botanicals for weed management in summer sesame (<i>Sesamum indicum</i> L.), green gram [<i>Vigna radiata</i> (L.) Wilczek] and black gram [<i>Vigna mungo</i> (L.) Hepper] and their effect on succeeding crops	25-07-2013	Bidhan Chandra Krishi Viswavidyalaya (BCKV), Mohanpur, West Bengal

Courses taken

Graduate classes	<ol style="list-style-type: none">1. Crop Production Technology (Kharif crops)2. Crop Production Technology (Rabi crops)3. Farming system and sustainable agriculture4. Weed management
Postgraduate classes	<ol style="list-style-type: none">1. Principles and practices of soil fertility and nutrient management2. Principles and practices of weed management3. Cropping system and sustainable agriculture
Ph.D	<ol style="list-style-type: none">1. Soil conservation and watershed management2. Advances in weed management

Life member of Professional Memberships

1. Indian Society of Weed Science

2. Crop and Weed Science Society
3. International Journal of Bio-resource and Stress Management

Number of M. Sc.(Ag.) and Ph.D students guided:

Degree	Completed	Ongoing
M.Sc.(Ag.)	12	3
Ph.D	2	3

Invited lectures for trainings

1. Conservation Agriculture for Resource Management at State Agricultural Management & Extension Training Institute, SAMETI, Medziphema, 2016
2. Azolla for Agriculture at SAMETI, Medziphema, 2018
3. Biofertilizer in Indian Scenario and response of it with references to pulses at SAMETI, Medziphema, 2018
4. Climate Smart Agriculture for sustaining food production at SAMETI, Medziphema, 2019.
5. Smart Practices and Technologies in Agriculture at SAMETI, Medziphema, March, 2023.
6. Resource person in the Farmers Awareness Programme on millets organised by Millets Promotion Scheme, Department of GPB with Farmers' cell SASRD, NU on 18th March 2023.

Publications:

1. **D. Nongmaithem** and D. Pal. (2011).The effect of organic sources of nutrients on the growth attributes and yields of potato (*Solanum tuberosum* L.). Journal of Crop and Weed. 7(2):67-69.
2. **D. Nongmaithem**, D. Pal. and R.K.Ghosh(2012). Weed control through smothering crops and use of plant extracts as bioherbicides. Indian Journal of Weed Science. 44(4):251-254.
3. M.Sumarjit Singh and **D. Nongmaithem**. (2013). Growth attributes and rhizome yield of sweet flag (*Acorus calamus*) as influenced by spacing. The Bioscan. 8(4):2007-2009.
4. **D. Nongmaithem** and D.Pal. (2013). Effect of different weed management practices on soil bacterial population under different crops. The Bioscan. 8(4): 1241-1245.

5. M.Sumarjit Singh, **D. Nongmaithem** and S.Sharmila Devi. (2015). Growth and yield of ginger lily (*Hedychium spicatum*) as influenced by spacing. Journal of Crop and Weed.11 (1).88-91.
6. RK Ghosh, D Shamurailatpam, A Ghosh, S Sentharagai, A Labar, **D Nongmaithem**, PK Jana, S Ghosh, RK Kole. (2015). Use of botanical herbicides in system intensification. Indian Society of Weed Science. 47(4):401-407
7. **D. Nongmaithem** and D.Pal. (2016). Effect of different weed management practices on soil actinomycetes and fungi under different crops. Journal of Crop and Weed. 12(2): 120-124.
8. D. Pal*, C. Majumder, R. K. Ghosh, **D. Nongmaithem**, S. Bera and S. Das. (2016). Weed Management Strategies in SRI Cultivation and Their Impact on Water Uptake by Weeds. International Journal of Bio-resource and Stress Management. 7(6):1267-1271.
9. **D. Nongmaithem** and D.Pal. (2016). Growth and Yield of Sesame, Green Gram and Black Gram as affected by Different Weed Management Practices. International Journal of Bio-resource and Stress Management. 7(6):1255-1261
10. Nzanbeni N. Jami, P. L. Singh and **D. Nongmaithem*** (2017). Yield Response of Maize (*Zea mays* L.) Cultivars under Rainfed Condition. International Journal of Bio-resource and Stress Management. 8(2):187-190.
11. ToshinenlaPongen and **D. Nongmaithem** (2017). Response of black gram to integrated weed management with varying levels of phosphorus and potassium. Indian Journal of Weed Science 49(2): 201–203, 2017 DOI: 10.5958/0974-8164.2017.00052.1
12. Annecia Lynrah, **D Nongmaithem** and LanunolaTzudir (2017). Response of soybean to lime and integrated nutrient management on growth, yield and soil properties in acidic soils of Nagaland. International Journal of Tropical Agriculture. 35(1):135-140.
13. P. Mozhui, L. Tzudir, **D. Nongmaithem**. (2017). Growth and Yield Performance of Soybean (*Glycine max* L. Merrill) Varieties Under Rainfed Condition of Nagaland. Environment & Ecology 35 (3B) : 2132—2136.

14. **D. Nongmaithem**, D. Pal (2017). Effect of Non-Conventional Weed Management Practices on Growth and Yield of Sesame, Green Gram and Black Gram. *Environment & Ecology* 35 (4B) : 3148—3154
15. AnnieciaLynrah and **D. Nongmaithem**. (2017). Effect of Lime and Integrated Nutrient Management on Soybean under Rainfed Condition of Nagaland *International Journal of Bio-resource and Stress Management* 2017, 8(5):679-683
16. ToshinenlaPongen and **D. Nongmaithem** (2017). Effect of Integrated Weed Management and Levels of Phosphorus and Potassium on Black Gram. *Environment & Ecology* 35 (4D) : 3585—3589.
17. Aatish Kumar Sahu, NengkhonemHangshing, **Debika Nongmaithem**. (2018). Response surface modelling for optimizing yield parameters of green gram. *RASHI* 3(1):12-20.
18. Sharongmangyang and **D Nongmaithem**. (2019).Effect of levels of nutrients (NPKS) on growth and yield of sesame (*Sesamum indicum* L.).(*Environment and Ecology* 37 (4), 1124-1127.
19. **D Nongmaithem**, M Apon, AP Singh, L TzudirClimate smart agriculture for sustaining food production. (2019). *Journal of Crop and Weed* 15 (3), 59-64.
20. Khriezovono Rino, P.L. Singh, A.P. Singh* and**Debika N** (2020). Effect of plant population and sources of nitrogen on growth and yield of baby corn (*Zea mays* L.) *Annals of Plant and Soil Research* 22(2): 206- 209 (2020).
21. Apon M.*, Gohain T. **Nongmaithem D.** and Mandal A.K. (2020). Influence of integrated nutrient management on economics, soil properties and nutrient uptake of local rice (*Oryza sativa* L.) cultivars under rainfed upland conditions of Nagaland. *International Journal of Agriculture Sciences*. 12(23):10434-10438.
22. S.Dolie and **D.Nongmaithem** (2020). Influence of spacing and weed management practices on weed, growth and yield of groundnut (*Arachis hypogea* L.) *Journal of Crop and weed*. 16(3): 256-259.
23. ImnatemjenAier and **D. Nongmaithem*** (2020). Response of Groundnut (*Arachis hypogaea* L.) to Lime and Different Levels of Sulphur. *International Journal of Bio-resource and Stress Management*. 11(6):585-589.
24. N. Sridhar, **D. Nongmaithem***, LanunolaTzudir, A.P. Singh (2021). Weed management in groundnut with diclosulam herbicide. *Indian Journal of Weed Science* 53(3): 305–306.

25. P. C. Lallawmzuali , LanunolaTzudir and **D. Nongmaithem** (2021). Effect of Levels and Sources of Sulphur on Nutrient Uptake, Economics and Post-Harvest Soil Nutrient Concentration of Sesamum (*Sesamum indicum* L.)Research Biotica 2021, 3(3):154-157.
26. Shilurenla, **D.Nongmaithem**, A.P.Singh and Rekha Yadav(2022). Effect of integrated weed management on summer green gram (*Vigna radiata*). The Pharma Innovation Journal. Sp-11(8):1550-1552.
27. M.Apon and **D.Nongmaithem**. (2022). Influence of integrated nutrient and weed management on growth, yield and quality of soybean. International Journal of Bio-resource and Stress management. 13 (6):654-660.
28. N. Anthony Baite, **Debika Nongmaithem**, D.Saya, LanunolaTzudir and Hironya Kumar Bora. (2022). Response of Green Gram (*Vigna radiata* L.) to Different Levels of Phosphorus and Potassium. International Journal of current microbiology and applied sciences. 11(4): 65-72.
29. M.Apon and **D.Nongmaithem**. (2022). Weed dynamics and yield of soybean as influenced by integrated nutrient and weed management practices. Journal of Crop and Weed. 18(2):71-76.
30. P Raja Kumar Reddy, LanunolaTzudir, Shivani Kumari, **Debika Nongmaithem**, A.P. Singh and Rekha Yadav. (2022). Response of Black Gram (*Vigna mungo* L.) to Integrated Weed Management and its effect on Weed Dynamics. Plant Archives. 22 (2):397-402.
31. P. C. Lallawmzuali*, LanunolaTzudir and **Debika Nongmaithem** (2021). Effect of Levels and Sources of Sulphur on growth and yield attributes of Sesamum (*Sesamum indicum* L.) under rainfed condition of Nagaland. Indian Journal of Agricultural Research. 56(4):439-441.
32. ImnatemjenAier and **D. Nongmaithem**. (2022). Groundnut Response to Lime and Levels of Sulphur on Nutrient Content and Uptake. Agricultural Science Digest. DOI: 10.18805/ag.D-5630.
33. Charan Singh Choudhary, Biswaranjan Behera, Md Basit Raza, Kancheti Mrunalini , Tanmaya Kumar Bhoi, Milan Kumar Lal, **D. Nongmaithem**, Sanatan Pradhan, Baiquan Song, Tapas Kumar Das. (2023). Mechanisms of allelopathic interactions for sustainable weed management.Rhizosphere 25 (2023) 100667.
34. Rinu Sakhong, **D. Nongmaithem**, LanunolaTzudir, Charan Singh Choudhary.(2023). Effect of Date of Sowing and Planting Geometry on Growth and Yield of Summer Black Gram (*Vigna mungo* L. Hepper), Environment and Ecology 41 (1B) : 407—410, January—March 2023 ISSN 0970-0420
35. Pura Sunya, Hijam Shila Devi, Pankaj Neog, NarolaPongener, **Debika Nongmaithem**. (2023). Dominance of Fruit Fly Species (Diptera : Tephritidae) in

36. Anjali Taku, LanunolaTzudir, Shivani Kumari and **Debika Nongmaithem**. (2023). Weed Management Strategies in Summer Blackgram (*Vigna mungo* L. Hepper) Grown in Sandy Loam Soils of Western Nagaland. Biological Forum – An International Journal. 15(2):719-723.
37. Avini-e Nakhro, P.K.Singh, **Debika N**, Sibino Dolie and Gauri Mohan. (2023). Assess of Integrated Nutrient Mangement Practices on the Performance of Direct Seeded Rice in Terms of Economic, Nutrient content and Uptake. Biological Forum – An International Journal. 15(3):597-604.
38. Dolie S., **Nongmaithem D.**, Nakhro A. and Gadi Y. (2023). Effect of Transplanting Date and Integrated Weed Management on Growth, Phenology and Yield of Black Rice (*Oryza sativa* L.) under SRI. Biological Forum – An International Journal 15(4): 313-319.
39. BadapmainMakdoh, A. P Singh, L. T. Longkumer, T. Gohain, LanunolaTzudir, **D. Nongmaithem**, Rekha Yadav and L. Touthang. (2023). Iron biofortification for enhancing yield, nutrient uptake and iron nutrition in soybean (*Glycine max* L.) Annals of Plant and Soil Research 25 (2): 262-269. <https://doi.org/10.47815/aprs.2023.10265>
40. Dolie, S., **Nongmaithem, D.**, Jamir, M., Mohan, G., Tzudir, L. and Singh, A.P. (2023). Date of Transplanting and Integrated Weed Management Effects on Growth and Yield of Black Rice (*Oryza sativa* L.) under SRI. Indian Journal of Agricultural Research. doi: 10.18805/IJARE.A-6075.
41. BadapmainMakdoh, A.P. Singh, L.T. Longkumer, T. Gohain, LanunolaTzudir, **D. Nongmaithem**, Rekha Yadav and DamitreLytan. (2023). Foliar Application of Ferrous Sulphate and its Influence on Growth, Grain Quality and Nutrient Uptake in Soybean (*Glycine max* L.). Biological Forum – An International Journal 15(5): 197-204.
42. Susngi, W.E., Yadav, R., Singh, A.P., Tzudir, L., **Nongmaithem, D.** and Qureshi, A.A. (2023). Performance of Linseed (*Linum usitatissimum* L.) Varieties in Foothills of Nagaland under Irrigated Condition. Indian Journal of Agricultural Research. doi:10.18805/IJARE.A-6060
43. Gauri Mohan, T. Gohain, LanunolaTzudir, A.P. Singh and **D. Nongmaithem**. (2023). Study on Yield, Nutrient Content and Nutrient Uptake of Rice-Based

Intercropping System as Influenced by Integrated Nutrient Management. *Biological Forum – An International Journal* 15(7): 141-146.

44. N. Anthony Baite, **D. Nongmaithem**, Saya D., Sentisuba and ImnatjenAier. (2023). Phosphorus and Potassium Fertilization with different Levels on the Growth and Yield of Summer Green gram (*Vigna radiata* L.) varieties. *Biological Forum – An International Journal* 15(7): 256-260.

45. N Anthony Baite, **D Nongmaithem**, Saya D, Sentisuba and ImnatemjenAier. (2023). Effect of phosphorus and potassium fertilization on summer green gram (*Vigna radiata*) varieties. *Indian Journal of Agricultural Sciences* 93 (10): 1144–1148. <https://doi.org/10.56093/ijas.v93i10.126362>.

46. Shilurenla, **Nongmaithem, D.**, Baite, N.A., Tzudir, L., Singh, A.P. and Yadav, R. (2024). Response of Green Gram [*Vigna radiata* (L.) W ilczek] to Different Weed Management Practices. *Indian Journal of Agricultural Research*. doi: 10.18805/IJARE.A-6132.

BOOK CHAPTERS

1. Rekha Yadav, A. P. Singh, LanunolaTzudir, **Debika Nongmaithem**, WandaEntalyroseSusngi, and BoduveluRhakho. 2022. Animal Dung for Better Soil Health Management. *Animal Manure. Agricultural and Biotechnological Applications*. Shubangi Mahajan and Ajit Verma. Springer. 255-259.

2. LanunolaTzudir, A. P. Singh, **D. Nongmaithem** and Merentoshi. 2022. Zabo Farming System: A Traditional Method of Integrated Farming System in Nagaland. *Recent Trends in Agriculture*. Ankita Pandey, Laxmi, Akanchha Pandey. Vital Biotech Publication. 158-167.

3. Sharongmanyang, **D. Nongmaithem**, A.P. Singh and Lanunola Tzudir. 2022. Response of Sesame to Different Nutrient Levels and their Effect on Soil Nutrient Status in Nagaland Condition. *Recent Trends in Agriculture*. Ankita Pandey, Laxmi, Akanchha Pandey. Vital Biotech Publication. 210-218.

4. Hillel M Chishi, **D.Nongmaithem**, LanunolaTzudir, A.P Singh and Rekha Yadav. 2023. A Review on Prospects of Direct Seeding of Rice Under Changing Environment. *Recent Advances in Agricultural Sciences and Technology*. ICAR-Indian Grassland and Fodder Research Institute Southern Regional Research Station, Dharwad, Karnataka & National Agriculture Development Cooperative Ltd. (NADCL) Baramulla, UT of J & K. Dilpreet Publishing House Ariana Publishers & Distributors New Delhi-110 018 (India). 145-153.

5. **D. Nongmaithem**, Hillel M Chishi and Anthony Baite. Strategy for Enhancing Shifting Cultivation in Nagaland. Recent Advances in Agricultural Sciences and Technology. ICAR-Indian Grassland and Fodder Research Institute Southern Regional Research Station, Dharwad, Karnataka & National Agriculture Development Cooperative Ltd. (NADCL) Baramulla, UT of J & K. Dilpreet Publishing House Ariana Publishers & Distributors New Delhi-110 018 (India).669-702.

Seminars/ Conferences attended

1. Presented paper in National Seminar at ICAR Research Complex, Jharnapni on Emerging Challenges and Prospective Strategies for Hill Agriculture in 2050 (23-25 January,2014)
2. Presented paper in National Seminar on Integrating Agri-Horticultural and Allied Research for Food and Nutritional Security in the Era of Global Climate Disruption at Imphal, Organized by ICAR, Meghalaya (March 4-6, 2016)
3. Presented paper in 5th International Conference on Agriculture, Horticulture and Plant Science organised by International Journal of Tropical Agriculture and Serials Publications (P) Ltd during June24-25th, 2017
4. Presented paper in National Conference on Crop protection: Current Trends and future perspective organised by department of Plant Pathology, Entomology &Agronomy, SASRD, Nagaland University during 16-18th November, 2017
5. Presented paper in International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA-2018) organised by AAU, Jorhat and Prof. H.S.Srivastava Foundation for Science, Lucknow during 13-16th Dec. 2018
6. Presented lead lecture in International Seminar on Agriskills for convergence in Research, Industry &Livelihood (ACRIL'19) organised by Crop and weed science society (CWSS), BCKV, West Bengal from 28th Nov-1st Dec, 2019.
7. Presented paper in Web Conference on Managing Hill Resources and Diversities for Zero Hunger and Climate Resilience organised by Soil Conservation Society of India during12-13th Feb, 2021
8. Presented paper in Recent Advances for Managing Sustainable Soil Health and Crop Production organised by GKV Society, Agra, India during18-“Anthropology: Biological diversity and affinities- a critical rethinking of the enduring issues in India” organised by St. Joseph University, Nagaland in association with DRDO, DST-SERB, INSA and CSIR during 17-18th March, 2022.
9. Presented paper in International Conference Recent Advances in Agricultural, Biological and Applied Sciences Research organised by Society for Biotic &Environmental Research, SBER, Tripura during 8-9th Aug. 2022.
10. Presented paper in National Seminar on Sustainable Emerging Approach in Agri-Business Development held during 1-3 November, 2023, organised by Department of Agricultural Economics, School of Agricultural Sciences, Nagaland University: Medziphema Campus, Nagaland.

11. Presented paper in international Conference on Sustainable Natural Resource Research-2023 (ICSNRR-2023) Online on 18th-19th 2023, organised by Society for Ecological Sustainability, Odisha, India.

Ongoing projects:

Name	Year of start	Amount sanctioned
1. AICRP(Maize) Voluntary centre	2022	Rs. 30,000/- for 2022.
2. Seed project: “Bio-efficacy of tembotrione herbicide for weed control in maize (<i>Zea mays</i>) and study of phytotoxic and residual effect on succeeding field pea (<i>Pisum sativum</i>)”.	2023	Rs. 3 lakhs

I hereby declare that all the information furnished above is true to the best of my knowledge & belief; all documentary evidences will support them as and when required.

Dr. Debika Nongmaithem
Assistant Professor
Department of Agronomy
School of Agricultural Sciences,
Nagaland University:Medziphema Campus