



## Curriculum vitae

**Name** : **N.TIAMEREN AO**  
**Father's Name** : S. Nokchachiba Ao  
**Sex** : Male  
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**Date of Birth** : 24 – 10 – 1967  
**Communication details** :  
     Postal Address: Professor, Department of Plant  
     Pathology, SAS, Nagaland University, Medziphema  
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**Educational Qualification** :

Exam. Passed	Board / Institution	Year of Passing	Division / Class
Ph.D	Assam Agricultural University ( <b>AAU</b> )	2000	1 <sup>st</sup>
M.Sc. (Ag.)	North Eastern Hill University ( <b>NEHU</b> )	1992	1 <sup>st</sup>
B.Sc. (Ag.)	North Eastern Hill University ( <b>NEHU</b> )	1987	2 <sup>nd</sup>

**Field of Specialization** : Plant Pathology and Biological Control

**Teaching experience (UG and PG)** : >20 years

**Research experience** : 12 + 20= 32 years

**Supervision of Research students** :

**M. Sc. (Ag)** :

Supervised as Major Advisor : 21

Currently supervising as Major Advisor : 3

**Ph.D** :

Supervised as Major Advisor

: 3

Currently supervising as Major Advisor : 3

**Trainings Attended:**

Sl.No.	Programme	Duration	Organised by
1.	International course on Participatory Research and Development	24 <sup>th</sup> September to 12 <sup>th</sup> October, 2001	International Potato Center Users' Perspectives With Agricultural Research and Development (UPWARD), Los Baños, Laguna, THE PHILIPPINES.
2.	Summer School on Agri-Business & Market Intelligence	8 <sup>th</sup> September to 28 <sup>th</sup> September, 2010	Department of Agricultural Economics, Nagaland University, SASRD, Medziphema Campus, MEDZIPHEMA
3.	UGC Sponsored Orientation Programme (OP 61)	31 <sup>st</sup> January to 27 <sup>th</sup> February, 2005	University Grants Commission, Academic Staff College, Gauhati University, Guwahati, ASSAM
4.	CD-Based Integrated Pest Management Training Course	5 <sup>th</sup> July to 15 <sup>th</sup> July, 2004	International Rice Research Institute (IRRI) and Assam Agricultural University (AAU), at AAU, Jorhat, ASSAM
5.	Writershop to produce Resource Book	19 <sup>th</sup> April to 27 <sup>th</sup> April, 2006	Nagaland Empowerment of People Through Economic Development (NEPED) at International Centre, GOA
6.	Course on Strategies for Sustainable Rural Development	19 <sup>th</sup> August to 24 <sup>th</sup> August, 2002	National Institute for Rural Development (NIRD), Rajendranagar, HYDERABAD.
7.	Training course on Participatory Rural Appraisal	17 <sup>th</sup> November to 25 <sup>th</sup> November, 1995	Nagaland Environment Protection and Economic Development (NEPED) at Administrative Training Institute (ATI), KOHIMA
8.	Biotechnology and its application in agriculture	3 <sup>rd</sup> to 9 <sup>th</sup> June, 2016	Biotech Hub NU: SASRD
	Workshop on		NU: SASRD

9.	capacity enhancement on communication & team building	27 <sup>th</sup> to 28 <sup>th</sup> March, 2014	
10.	ICT Workshop on Capacity Building organized by NU:SAS in collaboration with National Institute of Educational Planning & Administration (NIEPA), New Delhi	04 <sup>th</sup> – 06 <sup>th</sup> March 2024	NU:SAS
11.	Nurturing Future Leadership Program" under the aegis of Malaviya Mission Teacher Training Programme (MMTTP).	11 <sup>th</sup> to 15 <sup>th</sup> March 2024	Indian Institute of Management (IIM), SHILLONG, MEGHALAYA

**1. Research guidance :**

**M. Sc. (Ag) Research(As Major Advisor) :**

Sl. No	Name of students	Roll No.	Title of the Thesis	Remarks (Completed/ Ongoing)
1.	Mr. KevimeoKhatso	M-248/ 03	Biological control of rhizome rot of ginger ( <i>Zingiber officinale</i> Rosc.) caused by <i>Fusarium oxysporum</i> f.sp. <i>zingiberi</i> .	Completed
2.	Ms. E. LireniKikon	M-297/05	Integrated Management of root rot of French bean caused by <i>Rhizoctonia solani</i> .	Completed
3.	Ms. B.Temjenmenla	M-298/05	Control of Ginger rhizome rot by biological and cultural methods.	Completed
4.	Ms. M.Zuthunglo Erui	M-370/07	Management of post-harvest spoilage of aonla ( <i>Emblica officinalis</i> Gaertn.) due to blue mould.	Completed
5.	Mr. Toni Ete	M-499/10	Survey of Important Fungal Disease of Cereals, Crucifers and Cucurbits in Dimapur District of Nagaland.	Completed

6.	Mr. Kavi Sumi	M-562/11	Integrated Disease Management of Stem Rot of Sunflower ( <i>Helianthus annus</i> L. ) caused by <i>Sclerotium rolfsii</i> .	Completed
7.	Mr. Martin Juror	M-460/09	Studies on the cultivation of oyster mushroom <i>Pleurotus sajor-caju</i> (Fr.) Singer on different substrates	Completed
8.	Ms. Hage Pubyang	M-609/12	Integrated Management of anthracnose of French bean ( <i>Phaseolus vulgaris</i> L.) caused by <i>Colletotrichum lindemuthianum</i> .	Completed
9.	Ms. Suchitra Marak	M-701/13	Evaluation of seed-borne mucoflora on rice grains ( <i>Oryza sativa</i> L.)	Completed
10.	Ms.BippiKarbak	M-798/14	Integrated management of stem rot of soybean [ <i>Glycine max</i> (L)] caused by <i>Sclerotium rolfsii</i> sacc.	Completed
11.	MsYangkiKirong Taki	M-894/15	Microbe and chemical mediated strategies for integrated management of collar rot of mungbean caused by <i>Sclerotium rolfsii</i> sacc.	Completed
12.	Ms. ElokaliP.Zhimomi	M-896/15	Studies on antifungal efficacy of some plant extracts against alternaria leaf spot of mustard incited by <i>Alternaria brassicae</i> .	Completed
13.	Ms. Nchinle Kent	M-975/16	Management of Fusarium wilt of Pigeonpea	Completed
14.	Ms. SenthannroNgully	M-983/16	Compatible rhizospheric bacterial antagonist with fungicide and their efficacy on rice brown spot	Completed
15.	Mr. ShuduveChuzho	M-1053/17	-	-
16.	Mr. Peace Panmei	M-1142/18	Evaluation of some selected botanicals against Early Blight ( <i>Alternaria solani</i> ) of Tomato ( <i>Lycopersicon esculentum</i> Mill.)	Completed
17.	Ms. Betikumdang	M-	Screening of Pigeonpea	Completed

	Chang	1246/19	entries against fungal diseases under field conditions.	
18.	Ms. Chandrika Umbon	M-1249/19	Study on estimation of avoidable yield losses due to pod blight by <i>Rhizoctonia</i> aerial blight in Soybean [ <i>Glycine max</i> (L.) Merr.]	Completed
19.	Mr. Romio Singh	M-1399/20	Efficacy of Different Levels of NPK against Anthracnose of King Chilli ( <i>Capsicum chinense</i> ) caused by <i>Colletotrichum gloeosporioides</i> (Penz.) and Impact on their Growth Parameters and Yield in Manipur.	Completed
19.	Ms. Rekumla Jamir	M-1523/21	Effect of ZnO and TiO <sub>2</sub> Nanoparticles on Anthracnose Pathogen and Endophytes of King Chilli	Completed
20.	Ms. SentinaLongkumer	M-1548/21	Studies on Epidemiology and some major Fungal Diseases of Soybean [ <i>Glycine max</i> (L.) Merrill] in Medziphema, Nagaland	Completed
21.	Mr. Ano D. Graham	M-1634/22	Studies on Anthracnose of King Chilli	Completed
22.	Mr. Sayan Hazra	M-1715/23	Studies on Fusarium wilt of Groundnut	Ongoing
23.	Ms. Hannah Gitingme Ch. Marak	M-1663/23	Studies on Comparative Efficacy of Biochar and Botanicals for Management of Tomato ( <i>Solanum lycopersicum</i> ) Fusarium Wilt caused by <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i>	Ongoing
24.	Mr. Chemkai M Konyak	M-1783/24		
25.	Ms. Ruchi Kramsapi	M-1851/24		

Sl. No	Name of students	Rgn No./Roll No.	Title of the Thesis	Remarks (Completed/ Ongoing)
1.	Mr. Pankaj Baiswar	Admn. No. 74/07 Rgn No. 407/2010	Epidemiology and Management of Soybean Rust.	Completed
2.	Mr. Raghuveer Singh	Ph-206/16	Development of Microbial consortia for sustainable Management of Late blight [ <i>Phytophthora infestans</i> (Mont.) de Bary ] in tomato ( <i>Solanum lycopersicum</i> L.)	Completed
3.	Ms.M.C. Lalruaitluangi	Ph-230/17	Microbial consortia for sustainable Management of Early blight of tomato ( <i>Solanum lycopersicum</i> L.)	Completed
4.	Mr. Kavi Sumi	Ph-352/22	Green synthesis and Antifungal efficacy of Nanoparticles against Anthracnose/Pod blight ( <i>Colletotrichum</i> sp.) of Soybean in Nagaland	Ongoing
5.	Mr. SedesatuoBelho	Ph-365/23	Green synthesis of Nanoparticles and their fungal effects on Ginger rot pathogen (s).	Ongoing
6.	Ms. Chandrika Umbon	Ph-375/23	Studies on the effect of Biosynthesized silver and copper nanoparticles on tomato bacterial wilt [ <i>Ralstonia solanacearum</i> (smith) ].	Ongoing

**A. Publications :**

**Research Papers**

1. **Ao, Tiameren N.,**Bhagabati, K.N.and Talukdar, M.C. 2012, Effect of soil reaction on some fungal antagonists in suppressing white mould of french bean. ***Journal of Eco-friendly Agriculture*, 7** (2): 176-180.
2. **Ao, Tiameren N.** and Bhagabati, K.N. 2009, Influence of soil textures on some fungal antagonists in suppressing white mould of French bean. ***Indian Journal of Plant Pathology*, 27** (1 & 2): 73-76.

3. **Ao, Tiameren N.**, Bhagabati, K.N., Phooookan, A.K., Das, B.C., and Talukdar, M.C. 2004, Effect of chemical fertilizers and antagonists in the control of white mould of french bean caused by *Sclerotinia sclerotiorum*. **Nagaland University Research Journal**, Vol 2, 10-17.
4. **Ao, Tiameren N.**, Bhagabati, K.N., and Phooookan, A.K., 2003, Evaluation of some common substrates for mass multiplication of *Aspergillus terreus*, *Gliocladium virens* and *Trichoderma koningii*. **Journal of The Agricultural Science Society of North-East India**, 16 (1&2): 166-169.
5. **Ao, Tiameren N.**, Bhagabati, K.N. and Das, B.C. 2002, Three potential fungal antagonists against white mould pathogen of french bean. **Indian Journal of Plant Pathology**, 20 (1&2): 84-86.
6. **Ao, Tiameren N.** and Bhagabati, K.N. 2001, Reaction of some French bean genotypes to white mould. **Journal of The Agricultural Science Society of North-East India**, 14 (1): 20-26.
7. **Ao, Tiameren N.** 2015. Effects of some fungicides in the management of *Cercospora* disease of Groundnut. **State Agricultural Research Station (SARS) Research Publication**, 1:78-82
8. Singh, H.B. and **Ao, Tiameren N.** 1990, Collar rot of winged bean [*Psophocarpus tetragonolobus* (L.) DC] caused by *Sclerotium rolfsii* in Nagaland. **Indian Journal of Plant Pathology**, 8 (1 & 2): 92.
9. Temjenmenla, B and **Ao, Tiameren N.** 2010. Control of ginger rhizome rot (*Fusarium oxysporum* f. *sp. zingiberi*) by biological and cultural methods. **Indian Journal of Plant Pathology**, 28 (1&2): 61-63.
10. Kikon, Lerini, E and **Ao, Tiameren N.** 2010. Effect of chemical fertilizers on antagonists in control of root rot disease (*Rhizoctonia solani* Kühn) of French bean. **Indian Journal of Plant Pathology**, 28 (1&2): 79-81.
11. Kikon, Lerini, E and **Ao, Tiameren N.** 2009. Effect of different time and application of *Trichoderma* spp. against root rot (*Rhizoctonia solani* Kühn) of French bean. **Indian Journal of Plant Pathology**, 27 (1&2): 21-24.
12. Khatso, Kevimeo and **Ao, Tiameren N.** 2013. Biocontrol of rhizome rot disease of ginger (*Zingiber officinale* Rosc.). **International Journal of Bio-resource and Stress Management**, 4 (2): Special issue: 317-321
13. Erui, M. Zuthunglo and **Ao, Tiameren N.** 2013. Management of post-harvest spoilage of aonla (*Embelia officinalis* Gaertn.) due to blue mold. **Journal of Mycopathological Research**, 51 (1): 73-79.
14. Kumar, Sunil., Singh, V.K., **Ao, Tiameren N.**, and Singh, A.K. 2012. Plant parasitic nematode of soybean – A new record from Nagaland. **Indian Journal of Nematology**, 42 (2): 193.
15. Baiswar, P., **Ao, Tiameren N.**, Upadhyay, D.N., and Chandra, S. 2011. Management of Soybean Rust Caused by *Phakopsora pachyrhizi* using Fungicides, Botanicals and Biocontrol Agents in Mid-hills of Meghalaya. **Indian Journal of Hill Farming**, 24 (2): 33-37.
16. Baiswar, P., **Ao, Tiameren N.**, Upadhyay, D.N., and Chandra, S. 2012. Screening of varieties against soybean rust caused by *Phakopsora pachyrhizi* in mid-hills of Meghalaya. **Indian Journal of Hill Farming**, 25 (1): 17-20.
17. Baiswar, P., **Ao, Tiameren N.**, Upadhyay, D.N., and Chandra, S. 2013. Effects of weather variables on Soybean rust severity in mid hills of Meghalaya. **Environment and Ecology**, 31 (1 A): 306-309.

18. Baiswar, P., **Ao, Tiameren N.**, Upadhyay, D.N., and Chandra, S. 2013. Tolerance Evaluation Using Different Methods against Soybean rust caused by *Phakopsorapachyrhizi*. **Indian Journal of Hill Farming**, 26 (2): 59-62.
19. Baiswar, P., **Ao, Tiameren N.**, Upadhyay, D.N., and Chandra, S. 2014. Evaluation of different fungi as mycoparasite for eco-friendly management of Soybean rust (*Phakopsorapachyrhizi*). **Journal of Eco-Friendly Agriculture**, 9(1): 101-103.
20. Sumi, Kavi and **Ao, Tiameren N.** 2016. Integrated Management of Stem rot of Sunflower (*Helianthus annuus* L.) incited by *Sclerotium rolfsii* Sacc." **International Journal of Bio-resource and Stress Management**, 6 (6): 673-679.
21. Kumar, Sunil., **Ao, Tiameren N.**, and Engrala, **Ao, Tiameren N.** 2016. Effect of date of sowing and varieties on rust intensity and yield attributes of soybean (*Glycine max* L.) **Journal of Soils & Crops**, 26 (2):
22. Kumar, Sunil., **Ao, Tiameren N.**, and Engrala, **Ao, Tiameren N.** 2016. Yield loss assessment of soybean due to stem/Pod blight caused by *Colletotrichum truncatum* and their management **Journal of Soils & Crops**, 26 (1):48-52.
23. Sumi, Kavi., Chakruno, Pezangulie., **Ao, Tiameren N.**, Daiho, L., Banik, Susanta., Pongener, Narola. 2016. A new report of leaf blight of Job's tear (*Coix lacryma-jobi* L.) caused by *Curvularia* sp. In Nagaland. **Nagaland University Research Journal**, Vol 9, 66-68. (ISSN-0973-0346).
24. Karbak, Bippi., **Ao, Tiameren N.**, Riba Toge., and Shakywar, R.C. 2017. Efficacy of fungicides and bio-control agents against *Sclerotium rolfsii* causing stem rot of soybean under NEH region of India. **Journal of Plant Disease Science**, 12(1):121-124.
25. Karbak, Bippi., **Ao, Tiameren N.**, Riba Toge., and Shakywar, R.C. 2017. *In vitro* evaluation of plant extracts on mycelial growth of *Sclerotium rolfsii*, cause of collar rot of Soybean. **Annals of Plant Protection Sciences**, 25(2):416-449.
26. Singh, Raghuveer., **Ao, Tiameren N.**, Daiho, L., Banik, Susanta., Kanaujia S.P and Neog, Pankaj. 2017. Role of Agro-nanotechnology in Plant Protection. **Nagaland University Research Journal**, Vol 10, 64-82. (ISSN-0973-0346).
27. Sumi, Kavi., **Ao, Tiameren N.**, Sharma B, Malini., Chakruno, Pezangulie., Sema, Tinatoly., Chishi J, Akato., and Kent, Nchinle. 2018. *In vitro* evaluation of native bio agents isolates against stem rot of pigeon pea caused by *Sclerotium rolfsii* Sacc." **Journal of Food Legumes**, 31 (3): 194-195. (ISSN-0970-6380; Online ISSN -0976-2434).
28. **Ao, Tiameren N.**, Singh, Raghuveer., and Lalhruaitlungi, C. 2018. Non-Chemical plant disease management: Option for organic soybean cultivation in North Eastern hill (NEH) region of India. **Plant Disease Research**, 33, (2): 229-30. (Print ISSN: 0970-4914, Online ISSN: 2249-8788).
29. Sumi, Kavi., **Ao, Tiameren N.**, Sharma B, Malini., Chakruno, Pezangulie., Sema, Tinatoly. 2018. A survey on Fusarium wilt disease of pigeon pea in Nagaland state. **Plant Disease Research**, 33, (2): 261 (Print ISSN: 0970-4914, Online ISSN: 2249-8788).
30. Singh, Raghuveer., **Ao, Tiameren N.**, Kangjam, Valenta., Chanu, Bidyaleima N., Daiho, L., and Banik, Susanta. 2019. Performance Assessment of Native Tomato Genotypes to Late Blight Disease under Natural Epiphytotics. **International Journal of Current Microbiology and Applied Sciences**, Vol 8, (11): 1923-1931. (ISSN: 2319-7706).
31. Singh, Raghuveer., **Ao, Tiameren N.**, Kangjam, Valenta., Daiho, L., Banik, Susanta., and Chanu, Bidyaleima N. 2019. Efficacy of Indigenous Liquid Compatible Microbial Consortia on Seed Germination and Seedling Vigour in Tomato (*Solanum lycopersicum* L.)

- International Journal of Current Microbiology and Applied Sciences*, Vol 8, (11): 2144-2157. (ISSN: 2319-7706).
32. Debbarma, Ambalika., Banik, Susanta., **Ao, Tiameren N.** 2019. Seed-borne mycoflora of pulses in Nagaland. *Journal of Mycopathological Research*, Vol. 57, (3): 179-184. (ISSN: 0971-3719)
  33. Singh, Raghuveer., **Ao, Tiameren N.**, Kangjam, Valenta., Banik, Susanta., Sharma, Sushil Kumar, Rajesha G., Hajong, Monica., Lalhrualitluangi C., and Daiho, L. 2020. Molecular Characterization of Potent Biocontrol Isolates of *Trichoderma asperellum* and *Pseudomonas fluorescens* from Tomato Rhizosphere. *International Journal of Current Microbiology and Applied Sciences*, Vol 9, (1): 160-168. (ISSN: 2319-7706).
  34. Singh, Raghuveer., **Ao, Tiameren N.**, Kangjam, Valenta., Rajesha, G., Banik, Susanta. 2022. Plant growth promoting microbial consortia against late blight disease of tomato under natural epiphytotic conditions. *Indian Phytopathology* <https://doi.org/10.1007/s42360-022-00464-1>
  35. Lalhrualitlungi, C., **Ao, Tiameren N.**, Daiho, L., Banik, Susanta., Ao, Aleminla M., Kanaujia, S.P., 2022. Enhancement of Seed Germination and Seedling Vigour in Tomato (*Solanum lycopersicum* L.) by Native Microbial Consortia. *International Journal of Environment and Climate Change*. Vol 12 (10): 31-33 (ISSN: 2231-4784).
  36. Singh, Sorokhaibam Romio., **Ao, Tiameren N.**, Devi, Hijam Meronbala., Singh, Sh. Herojit., Debbarma, Siman., Daiho, L. and Devi, Hijam Shila. 2022. Efficacy of Different Levels of NPK against Anthracnose of King Chilli (*Capsicum chinense*) caused by *Colletotrichum gloeosporioides* (Penz.) and Impact on their Growth Parameters and Yield in Manipur. *International Journal of Environment and Climate Change*. Vol 12 (12): 637-647 (ISSN: 2581-8627).
  37. Kangjam, Valenta., Pongener, Narola., Singh, Raghuveer, Daiho, L., **Ao, Tiameren N.**, 2023. *In vitro* Screening for Potential Antagonistic Activity of Trichoderma Isolates against *Sclerotium rolfsii* Causing Collar Rot of French Bean. *Environment and Ecology*. 41 (1C): 623-632. January – March 2023 (ISSN: 0970-0420).
  38. Kangjam, Valenta., Pongener, Narola., Banik, Susanta., Daiho, L., **Ao, Tiameren N.**, Singh, Raghuveer. 2023. Efficacy of Indigenous Liquid Compatible Microbial Consortia on French Bean Plant Growth Promoting Traits. *Environment and Ecology*. 41 (1C): 613-622. January – March 2023 (ISSN: 0970-0420).
  39. Chang, Betikundang., **Ao, Tiameren N.**, Sumi, Kavi., Pongener, Narola., Neog, Pankaj. 2023. *In-vitro* evaluation of Trichoderma spp. Against different diseases of Pigeonpea in Nagaland. *International Journal of Economic Plants*. 10 (2): 099-103. (Print ISSN 2349-4727, Online ISSN 2349-4735)
  40. Kania, Hage., Pongener, Narola., Devi, Hijam Meronbala., **Ao, Tiameren N.**, Shila., Hijam. 2023. Effect of rice rhizospheric *Trichoderma* spp and fungicide for the management of brown spot disease of rice. *Oryza*. 60 (2): 260-272. DOI <https://doi.org/10.35709/ory.2023.60.2.3> (Print ISSN: 0474-7615) (Online ISSN: 2249-5266).
  41. Chandrika Umbon, **Ao, Tiameren N.**, Susanta Banik, Pankaj Neog, Kavi Sumi and Pezangulie Chakruno. 2023. Study on Estimation of Avoidable Yield Losses Due to Pod Blight in Soybean [*Glycine max* (L.) Merr.]. *International Journal of Economic Plants*. 2023, 10 (3): 224-230. Print ISSN : 2349-4727, Online ISSN: 2349-4735, Doi: <https://doi.org/10.23910/2/2023.0523a>.

42. Sentinalongkumer, **Ao, Tiameren N.**, Susanta Banik, Pankaj Neog, Dametre Lytan, PezangulieChakruno. 2023. *Rhizoctonia* Aerial Blight of Soybean: Its incidence, severity and correlation with meteorological parameters in Nagaland condition. *Soybean Research* 21 (2): 115-123. (ISSN 0973-1830).
43. Sentinalongkumer, **Ao, Tiameren N.**, Susanta Banik, Pankaj Neog, Dametre Lytan, PezangulieChakruno. 2024. Influence of meteorological variables on severity of anthracnose/pod blight of soybean in Medziphema, Nagaland. **Journal of Mycopathological Research** 62(2) : 417-422, 2024, ISSN : 0971-3719 (Print), 2583-6315 (Online) Indian Mycological Society, Department of Botany, University of Calcutta, Kolkata 700 019, India.
44. Chandrika Umbon, **Ao, Tiameren N.**, Susanta Banik, Pankaj Neog , and PezangulieChakruno. 2024. Effect of chemicals on yield losses in soybean due to *Rhizoctonia* aerial blight. **Journal of Mycopathological Research** 62(2) : 401-407, 2024, ISSN : 0971-3719 (Print), 2583-6315 (Online). Indian Mycological Society, Department of Botany, University of Calcutta, Kolkata 700 019, India.
45. Bendangsenla, Susanta Banik, **N. Tiameren Ao**, Hijam Shila Devi, C. S. Maiti, Tiaienla, and E. LireniKikon. 2025. "Morphological Characterization of Fungal Endophytes Isolated from the Leaves and Roots of Banana Plants (*Musa* sp.)". **Microbiology Research Journal International** 35 (3):72-81. <https://doi.org/10.9734/mrji/2025/v35i31552>. Article no.MRJI.131779. ISSN: 2456-7043, NLM ID: 101726596 (Past name: British Microbiology Research Journal, Past ISSN: 2231-0886, NLM ID: 101608140).

### **Book Chapters**

1. Hazra, Sayan and **Ao, Tiameren N.**, 2025. Integrated Pathogen and Pest Management for Sustainable Agriculture. **In: *Advances in Plant Sciences*** ( R P Sree, DJMSNK Sri Veda, Praveen Boddana, Nihal Ravindranath, Amrita Dasgupta, Bandana Saikia, Anshu Kumar eds.) Published by Weser Books. Weser Books, No. 79737 ÄussereWeberstr. 57, 02763 Zittau, Germany, Email: [weserbooks@gmail.com](mailto:weserbooks@gmail.com) pp. 215-237 (ISBN 978-3-96492-636-4).
2. Singh,L.N.K., Devi, Sobita Ph., Sinha, B., and **Ao, Tiameren N.**, 2025. Past, Present and Future of Bacterial Diseases of Millets and its Management Strategies. **In: *Cereal Diseases, Past, Present and Future Prospects***( Sinha, Bireswar., Phurailatpam, Sumitra and Nanakishor N eds.) Published by Biotech Books. New Delhi-110002 India pp. 55-86 (ISBN 978-81-7622-592-2).
3. **Ao, Tiameren N.**, Singh, Raghuveer., and Lalhrualtungi, C. 2022. Non-Chemical plant disease management: Option for organic soybean cultivation in North Eastern hill (NEH) region of India.**In: *Research Highlights in Agricultural Sciences***. Published by B P International, Guest House Road, Street no - 1/6, Hooghly, West Bengal, India, Corp. Firm Registration Number: L77527, Tele: +91 7439016438, UK: B P International, 27 Old Gloucester Street London WC1N 3AX, UK, Fax: +44 20-3031-1429.
4. **Ao, Tiameren N.**, and Banik.S. 2017, Introduction to Fungicides. **In: *Fundamentals of Plant Pathology*** (Kalita, Manoj Kumar ed.) Kalyani Publishers, New Delhi. pp. 211-225.
5. **Ao, Tiameren N.**, Bhagabati, K.N., Phookan, A.K., Das, B.C., and Talukdar, M.C. 2007, Efficacy of Biocontrol Agents and Chemical fertilizers for control of white mould of French bean. **In: "*Composite Farming Practices and Economic Development*"** (Sharma, Amod & Singh. R.K., eds) Abhijeet Publications, Delhi. pp. 87-93.

6. **Ao, Tiameren N.**, Keitzar, Supong and Wotsa, Qhutovi. 2006. Mulching and Low-Cost Greenhouse cum Rain Shelters. *In: Adding Value to Shifting Cultivation in Nagaland, India*. Published by NEPED c/o International Development Research Centre (IDRC) 208 Jor Bagh, New Delhi-110 003, India pp 126-130.
7. Longchar, Supongmar. T., Keitzar, Supong and **Ao, Tiameren N.** 2006. Salt and its Effects in Jhum Cultivation. *In: Adding Value to Shifting Cultivation in Nagaland, India*. Published by NEPED c/o International Development Research Centre (IDRC) 208 Jor Bagh, New Delhi-110 003, India pp 71-75.
8. **Ao, Tiameren N.**, and Longchar, Supongmar. T. 2006. Weed management in Jhum field. *In: Adding Value to Shifting Cultivation in Nagaland, India*. Published by NEPED c/o International Development Research Centre (IDRC) 208 Jor Bagh, New Delhi-110 003, India pp 67-70.
9. Keitzar, Supong and **Ao, Tiameren N.**, 2003, Application of Plastics in Agriculture: Some experience in Nagaland. *In: Plastics intervention for Agriculture Development in North Eastern Region*. (Satapathy, K.K & Kumar, Ashwani., eds) Published by ICAR Research Complex for NEH Region, Umiam, Meghalaya, pp 331-335.

#### **Review /Scientific/Popular Articles:**

1. Singh, Magan., Singh Jogendra and **Ao, Tiameren N.** 2008. Cultivate Winged Bean for More Protein. **Indian Farmer's Digest**, 41 (8) pp 17-19.
2. **Ao, Tiameren N.** 2013. Scientific Literacy: Shaping Tomorrow's Destiny. Government Middle School Naharbari, Dimapur. **Golden Jubilee Souvenir**, pp 17-21.
3. **Daiho, L.**, and **Ao, Tiameren N.** 2015. Managing dry rot and cultivating ginger organically. Symposium on Holistic Plant Health Management in Organic Agriculture. Organized by Zonal Chapter of North Eastern Zone Indian Phytopathological Society. **Souvenir & Abstracts**, pp 20-24.
4. **Ao, Tiameren N.**, and Banik, S. 2016. The impact of climate change on plant diseases. Symposium on Plant Health Management in North East India. Organized by Zonal Chapter of North Eastern Zone Indian Phytopathological Society. **Souvenir & Abstracts**, pp 11-16.
5. **Ao, Tiameren N.**, and Singh, Raghuveer. 2017, Forecasting of Plant Disease Distribution under Climate Change Scenario Using CLIMEX Software. National Symposium on Sustainable Disease Management Approaches and Applications & IPS-MEZ Annual Meeting. Organized by G B Pant University of Agriculture & Technology., Pantnagar and Indian Phytopathological Society. **Souvenir**, pp 55-58.
6. Singh, R., **Ao, Tiameren N.**, Daiho L., Banik, S., and Neog, P. 2017, Role of agrotechnology in plant protection. **Nagaland University Research Journal**. 10:64-82.
7. **Ao, Tiameren N.**, and Banik, S. 2017. Climate change: Probable effects on Plant Diseases. National Seminar on Crop Protection: Current Trend and Future Perspective. Organized by Department of Plant Pathology, Entomology and Agronomy, SASRD, Nagaland University, Medziphema Campus. **Souvenir & Abstracts**, pp 31-38.
8. Ngullie, Chumchanbeni., Sinha, B., **Ao, Tiameren N.**, Awasthi, D.P., Singh, L.N.K., Banik, S., Pongener, Narola., Hemanta, L., Meronbala, H., Adhikary, N.K., and Indira, M., 2024, Present scenario of fungal biocontrol agents under North Eastern Region. IPS-NEZ meet and AAAS National Conference on 'Advances in Innovative Technologies & Plant Health Management Strategies in Climate Resilient Agriculture' at College of Agriculture,

Tripura, Agartala between 26<sup>th</sup> September to 27<sup>th</sup> September, 2024. **Abstract Book**, pp 52-57.

9. **Ao, Tiameren N.**, 2024. Plant diseases and their management in Nagaland: An overview. In: Bhutia, P.L., Celina, V.A., Sumi, A., Seyie, A., Yanthan, A.W., Barman, J., Verma, H., Aochen, C., Assumi, S.R., Baite, M.S., Deori, S., Singh, V., Singh, M., Kalita, H. and Mishra V.K. (Eds.). Souvenir of the National Conference on Hill Agro-Ecosystem: Challenges and Opportunities for Achieving Sustainable Development Goals (HAES-COSDG, 2024). ICAR Research Complex for North Eastern Hill Region, Nagaland Centre, Medziphema, Nagaland, India. 29-30th November, 2024. Indian Association of Hill Farming, Umiam, Meghalaya. 258p [ISBN Number : 978-93-341-3688-3].

10.

#### **B. Lectures/Presentations/ Resource Person:**

1. **Ao, Tiameren N.**, 2024. *Lead Lecture* on “Plant diseases and their management in Nagaland: An overview” on November 29, 2024 during the National Conference on Hill Agro- Ecosystem: Challenges and Opportunities for Achieving Sustainable Development Goals (HAES-COSDG, 2024). ICAR Research Complex for North Eastern Hill Region, Nagaland Centre, Medziphema, Nagaland, India. 29-30th November, 2024 organized by Indian Association of Hill Farming, Umiam, Meghalaya.
2. **Ao, Tiameren N.**, 2024. *Keynote Lecture* on “Traditional Plant Disease Management under North Eastern Region of India” on September 26, 2024 during the IPS-NEZ meet and AAAS National Conference, at College of Agriculture, Tripura, Agartala between 26<sup>th</sup> September to 27<sup>th</sup> September, 2024.
3. **Ao, Tiameren N.**, 2024. *Invited Lecture* on “Plant Disease Management in Jhum Cultivation System of Nagaland” on February 27, 2024 during Winter School on Agri-Business, Market Intelligence, ICT and Block Chain Organised by Department of Agricultural Economics, SAS; NU between 14<sup>th</sup> February to 5<sup>th</sup> March 2024.
4. **Ao, Tiameren N.**, 2023. “Management strategies of plant diseases in jhum cultivation of Nagaland” during December 8-9, 2023 at the North East Zone Symposium on Plant Disease Management for Sustainable Crop Production of Indian Phytopathological Society (Virtual mode).
5. **Ao, Tiameren N.**, 2022. National Conference on ‘Mycology and mankind: Marching ahead in the new era’ Organised by Mycological Society of India (MSI) and ICAR Research Complex for NEH Region Umiam during 8-10 March 2022 (Virtual mode).
6. **Ao, Tiameren N.**, 2017. “Important plant protection measures for agricultural and horticultural crops with respect to Nagaland “ during the 3 days training programme for ATMA functionaries at SAMETI, Medziphemaw.e.f August 29-31, 2017
7. **Ao, Tiameren N.**, 2017. Indian Phytopathological Society during January 9-11, 2017, ICAR Research Complex for NEH Region Umiam, Meghalaya.
8. **Ao, Tiameren N.**, and Banik, S. 2016. “The impact of climate change on plant diseases” in the Symposium on Plant Health Management in North East India organized by Zonal Chapter of North Eastern Zone Indian Phytopathological Society during January 15-16, 2016 ICAR Research Complex for NEH Region Umiam, Meghalaya.
9. **Ao, Tiameren N.**, 2016. “Organic management of plant diseases in jhum cultivation” at the 6<sup>th</sup> International Conference. Plant, Pathogens and People Challenges in Plant

Pathology to Benefit Humankind organized by ICAR ,IARI, IPS and CPF during February 23-27, 2016 New Delhi, India.

10. **Ao, Tiameren N.,** 2016. *Resource person*. Integrated Disease Management of Kharif crops. Training for Extension functionaries of NEIDA of Tata Trust during June 14-15, 2016, at NU: SASRD, Medziphema.
11. **Ao, Tiameren N.,** 2015. *Resource Person/Panelist*. National Seminar on “Sustainable Horticulture *vis-à-vis* Changing Environment” organized by the Horticulture Society of North East India (HSNEI), Department of Horticulture, SASRD, N U, Dept.of LRD, Department of Horticulture, Govt. of Nagaland, and Central Institute of Horticulture, DAC, Ministry of Agriculture, Govt of India, Medziphema, February 26-28,2015 at SASRD, Nagaland University, Campus: MEDZIPHEMA
12. **Ao, Tiameren N.,** 2016. *Guest Faculty, Certificate Course* on “Plant Propagation & Nursery Management Practices of Horticultural Crops” during November 16 -22, 2016, at Central Institute of Horticulture, Department of Agriculture and Cooperation, Ministry of Agriculture, Government of India, Medziphema.
13. **Ao, Tiameren N.,** 2016. *Resource person*. Integrated Disease Management of Rabi crops. Training for Extension functionaries of NEIDA of Tata Trust during December 12-13, 2016, at NU: SASRD, Medziphema.

#### C. Professional Memberships :

1. **Life member** of Indian Phytopathological Society (No. 27595, 2008)
2. **Life member** of Association of Plant Pathologists of India. (No. 218, 2005)
3. **Life member** Indian Society of Plant Pathologists. (No. 2627, 2004)
4. **Life member** of Indian Association of Hill Farming. (No. 1815, 2004)
5. **Life member** of the Agricultural Science Society of North-East India (No.1404, 1997)
6. **Life member** of the Journal of International Journal of Bio-resource and Stress Management (07.03.2013)
7. **Life member** of Association of Plant Pathologist. (No. 546, 2019)
8. **Life member** Indian Society of Mycology and Plant Pathology, Udaipur. (No. 3950, 2022)

#### D. Awards:

1. **Fellow**, Indian Society of Plant Pathologists in **2018**, (FINSOPP)
2. **Fellow**, Indian Association of Hill Farming in **2021**, (FIAHF)
3. **Fellow**, Academy for Advancement of Agricultural Sciences in **2024**, (FAAAS)

#### E. Other Academic/ Work Experience :

1. **Chairperson** of Technical Session-I in the National Seminar on “Infrastructure and Sustainable Technology Solutions: Transforming Agriculture, Markets and Rural Livelihoods” during 14<sup>th</sup> – 15<sup>th</sup> February 2025 (Hybrid Mode) at SAS, NU, Medziphema Campus, Nagaland, India.
2. **Co-Chair** of Technical Session in the National Conference on “Hill Agro- Ecosystem: Challenges and Opportunities for Achieving Sustainable Development Goals (HAES-COSDG, 2024)”. ICAR Research Complex for North Eastern Hill Region, Nagaland Centre, Medziphema, Nagaland, India. 29-30th November, 2024 organized by Indian Association of Hill Farming, Umiam, Meghalaya.

3. **Chairman** of Technical Session (Crop Protection) in the IPS NE Zonal Meet & AAAS National Conference on “Advances in Innovative Technologies & Plant Health Management Strategies in Climate Resilient Agriculture” at College of Agriculture, Tripura, Agartala between 26<sup>th</sup> September to 27<sup>th</sup> September, 2024.
4. **Head**, Department of Plant Pathology, SASRD, Nagaland University, Medziphema Campus, Nagaland, November 2015 - November 2018, and since December 2021 – December 2024.
5. **Professor In-Charge**, Research and Extension Cell (REC), NU; SASRD since 21. 4. 2021 till October 2023
6. **Member, Editorial Board**, Indian Association of Hill Farming Journal, 2021-2024.
7. **University representative** to the Governing Body of affiliated colleges (Tetseo College, Dimapur, Nagaland) since 2021 - 2024.
8. **Assistant Placement Officer**, for Medziphema Campus, Nagaland University w.e.f 28.03.2023.
9. **Co-Chairperson** of the Technical Session of “Prof M J Narasimhan Academic Merit Award; and APS-IPS Travel Award Contest” in the IPS NE Zonal Symposium during 8<sup>th</sup> – 9<sup>th</sup> December 2023.
10. **Co-Chairperson** of the Technical Session VII during the National Seminar on “Sustainable Emerging Approach in Agri-Business Development ” Organised by Department of Agricultural Economics, SAS; NU between 1<sup>st</sup> to 3<sup>rd</sup> November 2023.
11. **Chairman** of the Technical Session-IV during the National Conference on “Mycology and Mankind: Marching ahead in the new era” Organised by Mycological Society of India between 8<sup>th</sup> – 10<sup>th</sup> March 2022.
12. **Organizing Secretary**, Zonal Symposium, IPS-NEZ (Virtual) on Plant Disease Management: Experiences and Aspirations during 7-8<sup>th</sup> December 2020.
13. **Zonal President**, Indian Phytopathological Society, North East Zone, 2019-2020
14. **Member, UGC Expert Committee** (Peer Team) for granting extension of Autonomous status to Patkai College (2017-18 to 2017-28).
15. **In-Charge Student’s Welfare**, Nagaland University, Medziphema Campus, Nagaland 2018-2022.
16. **Co-Chairman** of Technical Session during the National Symposium on “Enhancing Farm Income Through Sustainable Plant Health Management” Organised by Association of Plant Pathologists and ICAR NE Region between 6<sup>th</sup> to 8<sup>th</sup> November 2019.
17. **Convenor**, review and revision of SASRD Academic Regulations, 2018.
18. **University representative** to the Governing Body of affiliated colleges (St.Xavier College, Jalukie, Nagaland) since 2017 - 2020.
19. **Co-Chairman** of Technical Session during the National Symposium on “Diagnosis and Management of Plant Diseases: Integrated Approaches and Recent Trends” Organised by Indian Pathological Society and ICAR NE Region between 9<sup>th</sup> to 11<sup>th</sup> January 2017.
20. **Convenor, National Seminar** on Crop Protection: Current Trends and Future Perspective at NU:SASRD during 16-18<sup>th</sup> November, 2017.
21. **Member, Editorial Board, Nagaland University Research Journal** August 2016 -2019
22. **Chairman Campus Cafeteria Committee**, since 2018
23. **Joint Secretary**, Organizing Committee of the 4<sup>th</sup> Convocation of Nagaland University held in 2015.
24. **Member** Board of Research Studies Nagaland University, since August 2015.

25. **Member** School Board of SASRD School of Agricultural Sciences and Rural Development (SASRD), Nagaland University, Medziphema, Campus since March 2015.
26. **Member Core Committee** for Monitoring and Evaluation of ATMA (Agricultural Technology and Management Agency) activities in Nagaland, India 2015 – 2020.
27. **External reviewer** of the project titled “*Sustainable livelihood through Augmentation of Lead Crop Production and Orange Orchard Development*” implemented by Eleutheros Christian Society (ECS), Tuensang under the North East Initiative (NEI) of the Navajbai Ratab Tata Trust (NRTT) conducted during 2014.
28. **University representative** to the Governing Body of affiliated colleges (C-Edge College, Dimapur, Nagaland) December 2014 - 2019.
29. **In-Charge, Academic and Exams (PG), SASRD** from August 2012 to August 2014.
30. **Member** Executive Committee of Nagaland University Teachers’ Association, Medziphema Campus (**NUTAM**) during 2007-2008.
31. **General Secretary** of the Alumni Association of SASRD, Nagaland University, Medziphema Campus, Nagaland 2012- 2018.
32. **President** of Nagaland University Teachers’ Association, Medziphema Campus (**NUTAM**) and **Member** Chief Executive Council (**CEC**) Nagaland University Teachers’ Association (**NUTA**) during 2006-2007.
33. **External Expert** for conducting Examinations of Nagaland University; **Evaluation** of theses both M.Sc (Ag) and Ph.D; **Conduct** of comprehensive and theses *viva voce* examinations of students of other Central and State Agricultural Universities.
34. **Incharge** Experiential Learning of the Department of Plant Pathology during 2007.
35. **Facilitator** for **Farmer’s Cell** 2004. **Treasurer & Facilitator** from 2007-2009.
36. **Convener** of **RAWE** programme 2007.
37. **Subject Expert** (SE) from Department of Plant Pathology for **RAWE** 2005-2009.
38. **Member - Research Team** for *Implementing, Executing, and Facilitating* the International Development Research Center’s (IDRC) funded Nagaland Empowerment of People through Economic Development (NEPED) *Research Project on Development of Sustainable Land Use Options for Shifting Cultivators in Nagaland* during 2000-2003.
39. **Evaluated** projects of **National Afforestation Programme** funded by Ministry of Environment & Forest, Government of India and implemented by the Department of Forest, Government of Nagaland under Forest Development Agency, National Afforestation, and Eco-Development Agency during **2004-2005**.
40. **Evaluated** central projects of **Integrated Wastelands Development Project (IWDP)** sponsored and funded by Department of Land Resources, Ministry of Rural Development, Government of India and implemented by the Department of Land Resource, Government of Nagaland during **2005-2006-2007-2008-2009** and **2011-2012, 2013 – 2014**.

#### F. Resource Mobilization :

1. State government sponsored project entitled “Crop disease and pest survey in Dimapur and Peren districts of Nagaland”. ( **As Team Leader/PI** ) Sponsored by Directorate of Agriculture, Government of Nagaland. Rs.1.33 lakhs (2011-14) – **COMPLETED**
2. DBT project entitled “Integrated management of ginger rhizome rot complex and demonstration of management practices to ginger cultivators in Nagaland”. ( **As Co**

- PI).** Sponsored by Ministry of Science & Technology, Department of Biotechnology, Government of India, New Delhi. Rs. 20.21 lakhs (2005-07) – **COMPLETED**
3. DBT project entitled “Isolation, identification, preservation and documentation of soil fungi of Dzielakie virgin forest in Nagaland” **(As Co PI)**. Sponsored by Ministry of Science & Technology, Department of Biotechnology, Government of India, New Delhi. Rs. 38.24 lakhs (2015-17) – **COMPLETED**
  4. Establishment of Institutional Level Biotech Hubs (IBT hubs) by DBT under special programme for North Eastern States. **(As member Co-ordinating committee)** Sponsored by India Ministry of Science & Technology, Department of Biotechnology, Government of India, New Delhi. Rs. 39.50 lakhs (2013-18) – **COMPLETED**
  5. DBT project entitled “Exploration of Banana Biodiversity and its biotechnological research in Nagaland” **(As Co PI)**. Sponsored by Ministry of Science & Technology, Department of Biotechnology, Government of India, New Delhi. Rs. 43.36 lakhs (2018-21) – **COMPLETED**
  6. ICAR-NASF funded project entitled “Development, standardization and optimization of microbial and botanical pesticides and their formulations as efficient delivery systems for the management of agricultural, stored grain pests, nematodes and ticks parasites” **(As Co PI)** . Funded by ICAR-NASF (National Agricultural Science Fund) New Delhi vide sanction order no. NASF/ABS-10008/2023-24 dated 26-02.24 for a budget of Rs.26.453 lakhs (till February,2027) - **ONGOING**

#### **Declaration**

I hereby declare that the information presented above is true to the best of my knowledge and belief.

Date:

Sd/-  
**( N. Tiameren Ao)**