



**Name** : *Dr. Narola Pongener*  
**Current Designation** : Associate Professor  
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**Contact address** : Department of Plant Pathology  
Nagaland University, SASRD,  
Medziphema - 797 106, Nagaland  
**Contact no.** : 9436014409/7005469995  
**Date of joining the institution** : 22-07-2003

**Academic Records:**

Ph.D.	NU (Nagaland University) Studies on leaf blight of Taro ( <i>Colocasia esculenta</i> L. Schott) caused by <i>Phytophthora colocasiae</i> Raciborski	2015
M. Sc. (Ag.)	AAU (Assam Agril. Univ.) Improvement in the biological Efficiency of Paddy Straw Mushroom <i>Volvariella volvacea</i> by cultural methods.	1998
B.Sc. (Ag.)	NU (Nagaland University)	1996

**Teaching experience:**

Joined as Assistant Professor on 22<sup>nd</sup> July 2003.

Associate professor wef., 22-07-2017

**Research areas/ Field of specialization:**

- i. Mushroom technology
- ii. Plant disease diagnostic
- iii. Integrated Plant disease management

**Teaching Areas:**

PLP-302 Diseases of horticultural crops	2(1+1)	UG
PLP-301 Diseases of field crops	3(2+1)	UG
PLP-202 Principles of plant disease management	2(1+1)	UG
PLP-507 Diseases of field crops	3(2+1)	PG
PL PATH 507. Diseases of Field & Medicinal plants.	3(2+1)	PG
PL PATH 509. Diseases of Vegetables & Spices.	3(2+1).	PG
PLP 201 Diseases of field and horticultural crops and their management -1	3(2+1)	UG
PLP 202 Diseases of field and horticultural crops and their management -1	3(2+1)	UG
ELP-1 Mushroom cultivation Technology	10 (0+10)	UG
RAWEP	10 (0+10)	UG
PL PATH 501 Mycology	3 (2+1)	PG
PL PATH 516 Diseases of fruits, plantation and ornamental crops	3 (2+1)	PG
PL PATH 517 Diseases of vegetables and spice crops	3 (2+1)	PG
PL PATH 515 Diseases of field and medicinal plants	3 (2+1)	PG
PL PATH 591 Masters Seminar	1(0+1)	PG
PL PATH 691 Doctoral Seminar I	1(0+1)	Ph. D
PL PATH 691 Doctoral Seminar II	1(0+1)	Ph. D

**Publication:****Research Papers**

1. N.S. Jamir, Lanusunep and Narola Pongener. 2012. Medico- Herbal medicine practiced by the Naga tribes in the state of Nagaland (India). Indian Journal of Fundamental and Applied Life Sciences. Vol. 2(2): 328-333
2. Kavi Sumi, Pezangulie Chakruno, N Tiameren Ao, L. Daiho and Narola Pongener. 2016. A new report of leaf blight on Jobs tear (*Coix lacryma-jobi* L.) caused by *Curvularia* sp. in Nagaland. Nagaland Univ. Res J. 9: 66-68
3. Pratima Rai, Narola Pongener and H. Meronbala Devi (2017). Evaluation of fungicides and botanicals against *Alternaria* spp causing *Alternaria* leaf spot of cabbage under in vitro. The Bioscan 12(13): 1375-1377
4. Salimso Chapei, Narola Pongener\* and Valenta Kangjam (2019). Integrated Management of Early Blight of Tomato (*Lycopersicon esculentum* Mill.) caused by *Alternaria solani* (Ellis and Martin) Jones and Grout. International Journal of Current Microbiology and Applied Sciences 8(5): 2428-2436
5. Chusa J. Sangma, Narola Pongener\* and Valenta Kangjam. (2020). In vitro Evaluation of Botanicals against *Colletotrichum capsici* inciting Fruit Rot of Chilli. International Journal of Current Microbiology and Applied Sciences 9(10): 515-523
6. Tiainla, Narola Pongener and Enekamwamut Nongtdu (2021). Cultivation of *Hypsizygus ulmaris* on different locally available agro-waste Journal of Plant disease sciences 16(2): 145-148
7. Gande Jeevana Sai and Narola Pongener (2022). Management of blue mould of Mandarin. The Pharma Innovation Journal 11(1): 589-594
8. Tiainla and Narola Pongener (2022). Evaluation of *Hypsizygus ulmaris* on different pre-treated substrates. The Pharma Innovation Journal 11(4): 390-393
9. Udhayakumar,M, Narola Pongener and Hijam Meronbala Devi (2022). Survey and identification of plant diseases in important plant diseases of Tamil Nadu. The Pharma Innovation Journal 11(10): 843-848
10. Mum Eko, H. Meronbala Devi, Susanta Banik and Narola Pongener (2022). Isolation and evaluation of effective fungal antagonist against Northern leaf blight of maize. Indian Journal of Hill farming 35: 150-163
11. Narola Pongener and H. Meronbala Devi (2022). Evaluation of antifungal properties of botanicals in green mould of citrus. Indian Journal of Hill farming 35: 77-88

12. Valenta Kangjam, Narola Pongener, Susanta Banik, L. Daiho, N. Tiameren Ao, Raghuvveer Singh and Rajesha G (2023). Efficacy of Indigenous Liquid Compatible Microbial Consortia on French Bean Plant Growth Promoting Traits. *Environment and Ecology* 41 (1C) : 613—622
13. Valenta Kangjam, Narola Pongener, Raghuvveer Singh, Susanta Banik, L. Daiho and N. Tiameren Ao (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
14. Lakshu Pungyambam, Waluniba, Hijam Shila Devi, Narola Pongener, and Moakala Changkiri (2023). Seasonal Incidences of Major Insect Pests of Cabbage, *Brassica oleracea* var. *capitata* L. *Environment and Ecology* 41 (1B) : 385—388
15. Betikundang Chang, N. Tiameren Ao, Kavi Sumi, Narola Pongener and Pankaj Neog (2023). *In- vitro* evaluations of *Trichoderma* spp against different diseases of Pigeonpea in Nagaland. *International Journal of Economic Plants* 10(2): 099-103
16. Yumkhaibam Sonia Sahni, Susanta Banik, Narola Pongener, Pankaj Neog and A P Singh. 2023. Effects of biocontrol agents on Early Blight of potato in field. *Journal of Mycopathological Research*. 61(3): 375-380
17. Hage Kania, Narola Pongener, Hijam Meronbala Devi\*, N Tiameren Ao and Hijam Shila Devi. 2023. Effect of rice rhizospheric *Trichoderma* spp and fungicide for the management of brown spot disease of rice. *Oryza* Vol. 60 Issue 2 2023 (260-272)
18. Linokali Chopi, Pauline Alila, C.S. Maiti, G.I. Yephthomi and N Pongener. 2023. Effect of different active packing materials on storage of persimmon cv. Fuyu. *Indian Journal of Horticulture* 80 (3): 297-302

### **Books/ Book chapters**

1. C. Joshua. Thomas and Gurudas. Das. 2002. Dimensions of development in Nagaland. Chapter: Constraints of Agricultural and Livestock Production in Nagaland. Regency Publications. New Delhi
2. Hijam Meronbala Devi, Narola Pongener, Hijam Shila Devi and Laishram Hemanta. 2022. Effect of plant nutrition on development of plant diseases, In *Advances in agriculture and allied technology* (eds: Ashirbanchan Mahaptra, Dwity Sundar Rout, Chandrasekhar Sahu and Diptau Banik) Pp 153-163. ISBN: 978-93-5570-428-3

3. Valenta Kangjam, Raghuveer Singh and Narola Pongener. 2023. Fundamentals of Plant Pathology, 122pp Agro India Publications, Prayagraj ISBN: 978-93-84188-20-7

**Other Publications:**

**Manuals:**

1. Laboratory manual of Plant Bacteriology, UG. 2003
2. Practical manual for Introductory Mycology and Principles of Plant Pathology, UG. 2004
3. Practical manual on Diseases of field crops, UG. 2004-2011
4. Practical manual on Principles of Plant Disease Management. UG. 2003-2005
5. Practical manual for Introductory Microbiology. UG. 2008-2014
6. Practical manual for Mycophagy and Mushroom technology. PG. 2003-2011
7. Practical manual on Diseases of field crops and Their Management. UG. 2013
8. Practical manual on Practical guide for mushroom production. UG. 2012
9. Practical manual on Diseases of field and Horticultural crops and Their Management-I. UG. 2019 till date.
10. Practical manual on Diseases of field and Horticultural crops and Their Management-II. UG. 2020 till date.

**Extension folder:**

1. Diseases of Rice. N. Tiameren Ao and Narola Pongener. 2013
2. Spawn Production. Narola. Pongener. 2003
3. Guidelines for management of mushroom diseases. Narola Pongener. 2003
4. Production and Prospects of *Pleurotus* in Nagaland, E Lireni Kikon, Narola Pongener and N.Tiameren. Ao, 2024
5. Integrated Disease Management of Pineapple (*Ananas comosus*), Z.Jami, J. Laltlanmawia, H.M.Devi, Narola Pongener and N. Tiameren Ao, 2024

**Proceedings:**

1. Narola Pongener and L. Daiho. 2016. Survey on leaf blight of Taro (*Phytophthora colocasiae* Raciborski) in Nagaland. ISHS Acta Horticulturae. 05/2016 (1118): 125-135

### Handling of research/development project/consultancy

1. Title of Project: Preparation of Database on edible mushrooms of Nagaland and standardization of cultivation of two species

Funding Agency: DBT, Ministry of Science and Technology

Duration: 2003-2005 (3 years)

Completed/ ongoing: Completed

2. Title of Project: Crop disease and pest survey in Dimapur and Peren districts of Nagaland

Funding Agency: Govt. of Nagaland

Duration: 2011-2014 (3 years)

Completed/ ongoing: Completed

### Research guidance: PG ( 5 ) and Ph. D (3) undergoing

Sl No.	Topic of thesis	Name of Student	Degree	Year of Award
1.	Effect of casing material for growing <i>Calocybe indica</i> (Milky white mushrooms).	Ms. Madhuri Halder	PG	2005
2.	Management of Alternaria leaf spot of cabbage caused by <i>Alternaria</i> spp. with fungicide and Botanicals.	Ms. Pratima Rai	PG	2014
3.	Integrated Management of early blight of tomato ( <i>Lycopersicon esculentum</i> Mill.) caused by <i>Alternaria solani</i> (Ellis and Martin) Jones and Grout.	Mr. Salimso Chapei	PG	2015
4.	Integrated management of cabbage leaf spot.	Ms. Valerie Lalawmpuii	PG	2016
5.	Study on the <i>in vitro</i> growth of <i>Phytophthora colocasiae</i> , the incitant of	Mr. Alven Havard Kharwanlang	PG	2017

	taro leaf blight and its integrated management			
6.	<i>In vitro</i> evaluation of botanicals against <i>Colletotrichum capsici</i> inciting fruit rot of chilli	Ms. Chusa J. Sangma	PG	2017
7.	Evaluation of antifungal properties of botanicals against <i>Penicillium digitatum</i> Sacc. causing green mould of citrus	Ms. Thejavizonuo Kelio	PG	2018
8.	Effect of rice rhizospheric <i>Trichoderma</i> sp. and fungicide for the management of brown spot disease of rice	Ms. Hage Kania	PG	2018
9.	Cultivation of oyster mushroom ( <i>Hypsizygus ulmarius</i> Bull.) in unconventional agro-waste	Ms. Tianla	PG	2019
10.	<i>In vitro</i> effect of <i>Trichoderma asperellum</i> and fungicides against important plant pathogens in Nagaland.	Ms. R. Lalrohlu	PG	2020
11.	Management of blue mould of mandarin	Ms. Gande Jeevana Sai	PG	2020
12.	Evaluation of fungicides, fungal bioagents, botanicals and herbicides against growth and development of <i>Sclerotium rolfsii</i> Sacc <i>in vitro</i>	Ms. Megha M. S	PG	2021
13.	Effect of different sowing dates on incidence of Alternaria blight ( <i>Alternaria brassicae</i> ) of mustard ( <i>Brassica juncea</i> sp.)	Mr. Siman. Debbarma	PG	2022
14.	Screening of rice genotypes for fungal	Ms. Fivalyn War	PG	2023

	diseases and their epidemiological studies			
15.	Biological control of collar rot of sunflower ( <i>Helianthus annuus</i> L) caused by <i>Sclerotium rolfsii</i> Sacc.	Ms. Y.S. Ninghuila	PG	2023
16.	Ms. Valenta Kanjam	Biological remediation in the management of collar rot of french bean ( <i>Phaseolus vulgaris</i> l.)	Ph.D	August 2023
17.	Ms. Tiaienla	Antagonistic potential of Naga king chilli rhizobacteria against anthracnose pathogen	Ph.D	Submitted and Result awaited

#### Oral/Poster presentations/ Invited Lecture

1. Poster presentation during Symposium on Holistic Plant health Management in Organic Agriculture held on 10<sup>th</sup> to 11<sup>th</sup> Feb, 2015 at ICAR Research complex for NEH Region, Umiam, Meghalaya.
2. Poster presentation during National seminar on “Sustainable Horticulture vis-s-vis changing environment” held on 26<sup>th</sup> to 28<sup>th</sup> Feb, 2015 at SASRD, NU, organized by Horticultural Society of North East India (HSNEI), Dept. of Horticulture, SASRD, NU., Dept. of Land Resource Development, Govt. of Nagaland, Dept. of Horticulture, Govt. of Nagaland and CIH, Nagaland.
3. Oral presentation during the 29<sup>th</sup> International Horticultural Congress, Brisbane Australia from 17<sup>th</sup>-22<sup>nd</sup> Aug. 2014 on the topic “Survey on Leaf Blight of Taro (*Phytophthora colocasiae* Raciborski) in Nagaland”.
4. Poster presentation during National Symposium on Enhancing farm income through sustainable plant health management held on November 6-9, 2019 organised by Association of Plant Pathologist, Dr. Panjabrao Desmukh Krishi Vidyapeeth, Akola and ICAR-RCNEH, Umiam.
5. Oral presentation during National Seminar on ‘Sustainable Emerging Approach in Agri-Business Development’ held on November 1 – 3, 2023 organized by Department of Agricultural Economics, School of Agricultural Sciences (SAS), Nagaland University, Medziphema Campus.
6. Oral presentation during International Conference on Multidisciplinary Research and Innovation (ICMRI-2023) held on November 9-10, 2023 organized by Internal Quality Assurance Cell (IQAC), St. Joseph University, Chumoukedima, Nagaland



7. Oral presentation during IPS (North East zone) Zonal Symposium on “Plant disease management for sustainable crop production” held on December 8-9, 2023 organized by Department of Plant Pathology, College of Agriculture, CAU, Imphal and Department of Plant Pathology, SAS, NU, Medziphema campus
8. Invited Lecture on "Shiitake (*Lentinula edodes*) cultivation in Nagaland- An overview" during the National Conference on “Women Scientists in Plant Health Management for Sustainable Development Goals” held on December 22-23, 2023 organized by Indian Phytopathological Society and Assam Agricultural University, Jorhat.

**Seminar/ conference attended:**

1. Attended a Seminar on Perspective of higher education in Nagaland on 13<sup>th</sup> and 14<sup>th</sup> Oct. 2004. Organized by CEC, Nagaland University Teachers Association at SASRD, Nagaland University
2. Attended a Symposium on Spices and Aromatic Crops (SYMSAC-IX) “ Spices for doubling Farmers Income” organised by SASRD, Nagaland University and Indian Society of Spices, Kozhikode, Kerala held on 15<sup>th</sup> -17<sup>th</sup> March 2018.
3. Attended a National Seminar on “Crop Protection : Current Trends and future prospective” organized by Department of Plant Pathology, Entomology and Agronomy held at SASRD, Nagaland University from 16<sup>th</sup> -18<sup>th</sup> Nov. 2017.
4. Participated in Zonal Symposium on Sustainable Plant Health Management in North east India, at ICAR RC for NEH Region, Umiam, Barapani from 6<sup>th</sup> to 7<sup>th</sup> Nov. 2019

**Any other information:**

**Resource Person:**

1. Participated as a resource person during Training cum Seminar of Changki VDB women wing organized by Village Council, Changki. 6<sup>th</sup>-7<sup>th</sup> April, 2004
2. Participated as a resource person during training of JFMC members organized by Conservator of forest, NTC, Nagaland, Kohima. 25/09/07
3. Participated as a resource person during training on Livelihood Improvement through Integrated Watershed Management organized by ICAR Nagaland Centre, Medziphema. 2<sup>nd</sup> -15<sup>th</sup> Mar. 2009
4. Participated as a resource person during 1 day workshop on Horticulture and Allied sectors. (28<sup>th</sup> July 2006)
5. Participated as a resource person during 2 days workshop on Horticulture and Allied sectors. (31<sup>st</sup>-1<sup>st</sup> Nov. 2006)
6. Participated as a resource person on Livelihood based training Programme. 29<sup>th</sup> March 2010
7. Participated as a resource person in Interactive session on Sustainable Crop Production. Naga Kheti Mela. 17<sup>th</sup> -19<sup>th</sup> Oct. 2013

8. Participated as a resource person on Mushroom cultivation, Organised by Farmers Cell, SASRD. 2013
9. Participated as a resource person on Mushroom cultivation, Organised by ICAR Research Complex For NEH, Nagaland Centre. 2014
10. Participated as a panelist during the National Seminar on “ Sustainable Horticulture vis-a – Vis Changing environment” held on 26<sup>th</sup> -28<sup>th</sup> Feb. 2015, organized by the Horticultural Society of North East India (HSNEI), Dept. of Horticulture, SASRD, NU., Dept. of Land Resource Development, Govt. of Nagaland, Dept. of Horticulture, Govt. of Nagaland and CIH, Nagaland.
11. Participated as a resource person on Mushroom cultivation during the Farmers- Scientist interaction organized by Farmers Cell, SASRD, NU, on 10<sup>th</sup> March 2015.
12. Participated as a resource person during the Training programme on “Integrated disease management of Kharif crops” held on 14<sup>th</sup> to 15<sup>th</sup> June 2016 at SASRD, NU organized by NEIDA.
13. Participated as a resource person during the training programme on Entrepreneurship development through mushroom cultivation held at ICAR, Jharnapani, from 5<sup>th</sup> to 7<sup>th</sup> Dec. 2016 organized by ICAR Research complex for NEH Region, Nagaland Centre, Jharnapani and ICAR-Directorate of Mushroom Research, Solan.
14. Resource person for the Farmers Scientist interaction during the National Seminar on “Crop Protection : Current Trends and future prospective” organized by Department of Plant Pathology, Entomology and Agronomy held at SASRD, Nagaland University from 16<sup>th</sup> -18<sup>th</sup> Nov. 2017.
15. Participated as a resource person during the Model Training Course on “Eco Friendly Pest Management of Stored Grain Pests” held on 6<sup>th</sup> to 13<sup>th</sup> Dec. 2017 at SASRD, NU sponsored by Directorate of Extension, Ministry of Agriculture & Farmers Welfare and organized by Dept. of Entomology, SASRD, Nagaland University.
16. Participated as a resource person during Training Programme on “ Mushroom cultivation: additional source of income for farm women” organized by ICAR Research Centre for NEH Region, Nagaland Centre, Medziphema held on 26<sup>th</sup> -28<sup>th</sup> Mar. 2018.
17. Resource person during Field day cum National Workshop on Enhancing the production and productivity of maize and oilseeds in NEH region held on 16-18<sup>th</sup> Feb. 2022 organised by ICAR Research Centre for NEH Region, Nagaland Centre, Medziphema.
18. Participated as a resource person during Trainers Training on “Production of quality planting material and accreditation of nursery of focus fruit crops ” organized By Central Institute of Horticulture, Medziphema held on 11<sup>th</sup> -13<sup>th</sup> Oct. 2022.
19. Participated as a resource person during Mushroom cultivation training and exposure of SHG members from Tening Block, Peren District organized by Pro-Rural India, Dimapur on 17<sup>th</sup> Nov. 2022.

### **Trainings/Webinars attended**

1. Orientation Course UGC- Academic Staff College, Guwahati 24<sup>th</sup> Jan. to 20<sup>th</sup> Feb. 2011
2. Summer School on “Agri - Business & Market Intelligence” 21 days from 6<sup>th</sup> to 26<sup>th</sup> September, 2013
3. Short course on Avenues for farmers empowerment and agro-based entrepreneurship development. 20<sup>th</sup> to 29<sup>th</sup> August, 2013 10 days
4. Workshop on Capacity enhancement on communication and team building at SASRD. 27<sup>th</sup> to 28<sup>th</sup> April 2014. 2 days
5. Winter school on Role of Agri business and market intelligence for sustainable development. 6<sup>th</sup> -26<sup>th</sup> Sept 2016. 21 days
6. Attended hands on training on “ Biotechnology and its application in Agriculture” from 3<sup>rd</sup>- 9<sup>th</sup> June 2016, organised by Biotech Hub, SASRD, Nagaland University and funded by Ministry of Science and Technology, Govt. of India
7. National webinar on Advances in Disease and Pest Management for sustainable Banana Industry held on 4<sup>th</sup> July 2020 organized by AAU, Jorhat, Assam.
8. National webinar on Management of Biotic and Abiotic Stresses in Protected Agriculture held w.e.f. 22-24-09-2020 organized by Centre for Agricultural Science & Technology on Protected Agriculture and Natural Farming, CSKHPKV, Palampur, Himachal Pradesh.
9. International Webinar on Application of Molecular and Bioinformatic tools in Crop Protection, organized by Department of Plant Pathology, AAU, Jorhat held on 1-3 March, 2021.
10. National Webinar on “Sustainable Organic Farming: Techniques & Certification” Organised by the Department of Agronomy in collaboration with AICRP on Pigeonpea, Tripura Centre, College of Agriculture, Tripura, held on 17 th & 18 th May, 2021.
11. National workshop on “Shiitake Mushroom: Possible source of nutraceutical and next generation food” organized by ICAR Research Complex for NEH Region, Manipur Centre in collaboration with Society for Plant Biochemistry and Biotechnology (SPBB) ICAR-IARI, New Delhi, on 22<sup>nd</sup> -24<sup>th</sup> February 2022.
12. Hands on training on GIS application in Agricultural Research, organised by ICAR- AICRP on Fruits Medziphema Centre held on 6<sup>th</sup> May,2022.

**Members of professional bodies:**

1. Life member of Indian Phytopathological Society (IPS), Division of Plant Pathology, IARI,PusaCampus, New Delhi-12, India
2. Life member of Indian Association of Hill Farming, ICAR Research Complex for NEH Region, Umiam, Shillong
3. Life member of Indian Society of Mycology and Plant Pathology, MPUA&T, Dept. of Plant Pathology, Udaipur-313001, India.

4. Life member of the journal “International Journal of Bio-resource and Stress Management”

**Member of Academic and administrative bodies of Nagaland University**

Warden,MC Hostel	2010- 2013
Warden Lady Bird Hostel	2013-2014
Members of Farmers cell (SASRD).	2012-2014
Member of School board, SAS	2003-2009, 2010-2013, 2023 till date
Member of Task force committee on Gender issues, SASRD, NU, Medziphema	2015- 2018
Member of Result Recommendation Committee, SASRD, NU , Medziphema	2015-2017
Member BPGS/BOS of Dept of Plant Pathology	2014, 2017-2020, 2023 till date
Member, Campus Beautification and Landscaping	2012-2014
Member BPGS of Dept of Agricultural Chemistry and Soil Science	2017 -2020
Coordinator RAWEP	2017- 2020
Convenor, Campus Beautification and Landscaping Committee	2018-2021
Member BPGS of Dept of Horticulture	
I/C of Credit/Thesis seminars/ Comprehensive written /Viva Exams, Crop Museum, Experiential Learning (EL) of the Department	2018 till date
I/C RAWEP	2022 till date
Convenor, Campus beautification Committee	2023 till date
Member Construction Monitoring Committee, SAS	2023 till date

**Others**

1. Treasurer Alumni Association, SASRD, Nagaland University
2. Treasurer, National Seminar on “Crop Protection : Current Trends and future prospective” organized by Department of Plant Pathology, Entomology and Agronomy held at SASRD, Nagaland University from 16<sup>th</sup> -18<sup>th</sup> Nov. 2018.
3. Treasurer, NUTA (M) from 2022 till date.

**Declaration:** I hearby declare that all the information presented above is true to the best of my knowledge and belief.

Narola Pongener  
Dated 14-02-24

