

CURRICULUM VITAE

Kanuri Nandhini

Scientist-B,
MESSO – P3 Unit , Pailapool,Cachar,Assam
Muga Eri Silkworm Seed Organization, Guwahati
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Education

Qualification	Institution	Year	%
SSC	Z.P. High School	2014	88.0
Intermediate (BiPC)	Sri Raviteja Jr College	2016	73.4
B.Sc. (CBZ)	Sri Sai Degree College	2019	84.2
M.Sc. Sericulture	Sri Krishnadevaraya University	2022	85.5

Experience

- Field Assistant, BR Agriculture College (2019–2020)
- Production In-charge, SV Hearty Plants (2023–2024)
- Scientist-B, MESSO P3 Unit, Assam (2026–Present)

Awards

1. **First Poster Presentation Award**
National Seminar on 'Entrepreneurship in Sericulture', 28–29 April 2022, Sri Krishnadevaraya University, Anantapuramu – 515003 (A.P.), India.
2. **First Oral Presentation Award**
7th International Conference on Opportunities and Challenges in Agriculture, Environmental & Biosciences for Global Development (OCAEBGD-2022), 29–31 October 2022.
3. **First Oral Presentation Award**
9th International Conference on Approaches in Agricultural, Biological & Applied Sciences for Sustainable Development (CAABASSD-2024), 01–03 March 2024.

Presentations

- **National Conference for Post Graduate Students**
“Multidimensional Approaches for Sustaining Food and Nutritional Security”, Acharya N. G. Ranga Agricultural University, S.V. Agricultural College, Tirupati, 4–5 February 2021.

Research Publications

1. Pathological Effects and Transmission Patterns of White Muscardine Disease in Silkworms and Control Measures.

International Journal of Creative Research Thoughts (IJCRT) 10(11): f182–f186 (2022)

2. Assessment of Certain Bed Disinfectants on Silkworm Rearing Performance of FC₁ × FC₂ Bivoltine Double Hybrid.

Biotica Research Today 5(12): 837–843 (2023)

3. Influence of Chemical-Induced Liberation of Pebrine Spores in Tasar Silkworm Mother Moth Examination.

Plant Health Archives 1(3): 139–144 (2023)

4. Evaluation of Influenced Antiviral Medicinal Plant Extracts for the Control of Grasserie Disease and Estimation of Biochemical and Hematological Changes in Silkworm, Bombyx mori L.

Biotica Research Today 5(12): 844–849 (2023)

5. Impact of Seasonal Variations on Silkworm Health: A Study on Diseases and Uzi Fly Infestation in Andhra Pradesh.

International Journal of Creative Research Thoughts (IJCRT) 12(5): q262–q268 (2024)

6. Analyzing Factors Impacting Cocoon Pricing in Hindupur Market of Andhra Pradesh.

International Journal for Multidisciplinary Research (IJFMR) 6(3) (2024)

7. IoT-Based Automated Environmental Control Systems in Sericulture Farms.

International Journal of Research Publication and Reviews 5(8): 4216–4220 (2024)

8. Optimising Silkworm Rearing Practices Using Machine Learning Techniques.

International Research Journal of Modernization in Engineering Technology and Science 6(8): 2752–2757 (2024)

9. Optimizing Silkworm Rearing: The Impact of Environmental Factors and Advanced Technologies on Silk Quality and Production.

Research Biotica 3(4): 195–202 (2021)

10. State and Central Government Initiatives to Strengthen Sericulture Sector in Andhra Pradesh.

International Journal of Agriculture Extension and Social Development 8(8): 107–113 (2025)

11. Role of *Nesolynx thymus* (Girault) in Sustainable Management of Uzi Fly, *Exorista bombycis* (Louis) Infestations in Sericulture.

International Journal of Research in Agronomy 8(11): 107–110 (2025)

12. Sericulture in Andhra Pradesh: A Sustainable Approach to Sericulture Enterprise and

Rural Youth Empowerment.

International Journal of Environmental & Agriculture Research (IJOEAR) 11(7): 136–143 (2025)

13. Role of *Nesolynx thymus* (Girault) in Sustainable Management of Uzi Fly, *Exorista bombycis* (Louis) Infestations in Sericulture.

Conference Abstract (Poster Presentation)

Popular Articles

1. Mounting & Harvesting Technique for Quality Cocoon Production

Agrobios Newsletter 23(5): 70–71 (2024).

2. Management of Root Rot Disease in Mulberry

Agrobios Newsletter 23(5): 71–72 (2024).

3. Management of Foliar Diseases of Mulberry Plant

Agrobios Newsletter 23(6): 27–29 (2024).

4. Biological Control of Insect Pests in Sericulture

Agrobios Newsletter 23(7): 34–35 (2024).

5. Organic Mulberry Cultivation: Prospects and Challenges

Innovative Agriculture 1(10): 71–73 (2025).

6. Integrated Approaches in Sericulture: Resource Efficiency, Livelihood Security, and Environmental Conservation

Agri Articles 5(5): 71–78 (2025).

7. The Uzi Fly (*Exorista bombycis*): Biology, Damage, and Integrated Management in Sericulture

Agri Articles 5(5): 546–555 (2025).

8. The Silent Threat in Sericulture: Non-Spinning Silkworms and Their Impact on Silk Production

Agri Magazine 2(10): 28–33 (2025).

9. Root Diseases of Mulberry and Their Management

Agri Magazine 2(10): 71–78 (2025).

10. Climate Change and Its Impacts on Mulberry (*Morus* spp.) Cultivation: Challenges and Future Strategies

Agri Articles 5(6): 67–71 (2025).

11. Beyond *Bombyx mori*: Exploring the Diverse World of Wild Silks

Agri Articles 5(6): 72–75 (2025).

12. Propagation Methods of Mulberry: Seedling and Vegetative Approaches

Agri Magazine 2(11): 319–324 (2025).

13. Rearing Methods for Silkworms: Enhancing Survival and Cocoon Quality

Agri Magazine 2(12): 66–70 (2025).

Book Publications, Academic Achievements, Trainings & Workshops

Book Publications

1. Fundamentals of Silkworm Breeding

2. Innovations in Modern Sericulture

Conference Abstract (Poster Presentation)

1. Effectiveness of General Disinfectants in Managing Silkworm (*Bombyx mori* L.) Diseases and Their Influence on FC1×FC2 Bivoltine Hybrid Performance at Field Level.

2. Innovative Germplasm Conservation Approaches in Sericulture.

Academic Achievements

1.Merit Certificate

Received Merit Certificate for securing 2nd Rank in M.Sc. (Sericulture), Sri Krishnadevaraya University.

Trainings Attended

1. **21 Days International Training Cum Certificate Course (ITCC)**
Technology Innovation in Agriculture, Horticulture, Animal Husbandry, Fisheries, Sericulture and Allied Sectors for Sustainable Entrepreneurship.
Duration: 16 June – 06 July 2023
2. **21 Days National Training Cum Refresher Course (NTRC)**
Approaches of Successful Entrepreneurship in Agriculture, Sericulture, Fisheries, Animal Husbandry & Allied Sectors.
Duration: 01–21 January 2024
3. **21 Days National Training Cum Refresher Course (NTRC)**
Emerging Employment in Agriculture, Sericulture, Horticulture, Fisheries, Animal Husbandry, Dairy & Allied Sectors for Economic Development of India.
Duration: 01–21 January 2025
4. Undergone Induction Training Programme (ITP) from 06.10.2025 to 16.01.2026

Workshops Attended

1. **05 Days National Workshop**
Agriculture and Sericulture for Economic Development of India (AEDS).
Period: March 2021
2. **04 Days National Workshop**
Agriculture, Horticulture and Sericulture for Boosting Indian Economy.
Period: October 2021