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ACADEMIC PROFILE

PROFESSIONAL QUALIFICATION				
	Name of the Degree	Name of the University/ Board	Year of passing	Percentage of marks
1	Ph.D in Sericulture	Tamil Nadu Agricultural University, Mettupalayam	2018	93.50
2	M.Sc. (Agri) in Sericulture	University of Agricultural Sciences, Bangalore	2014	94.20

EXPERIENCE/POSTINGS (IN GROUP 'A') (FROM THE LEVEL OF SCIENTIST - 'B' ONWARDS)

SL. No.	NAME OF THE ORGANISATION	DESIGNATION	FROM	TO	DUTY PERFORMED
1	CENTRAL TASAR RESEARCH AND TRAINING INSTITUTE, JHARKHAND	SCIENTIST B	2018	2021	R&D
2	SILKWORM SEED TECHNOLOGY LABORATORY, KODATHI, BANGALORE	SCIENTIST C	2021	TILL DATE	R&D

RESEARCH EXPERIENCE

SL.No.	YEAR	TOPIC OF RESEARCH	SPONSORING AGENCY
1	2013-2014	Performance of multi x bivoltine cross breed of silkworm, <i>Bombyx mori</i> L. with fortified mulberry leaves	UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE
2	2015-2018	Studies on the gut health of silkworm, <i>Bombyx mori</i> L. with fortified mulberry leaves	UNIVERSITY GRANTS COMMISSION (UGC), NEW DELHI

SL. No.	YEAR	TOPIC OF RESEARCH	SPONSORING AGENCY
3	2019-2021	Cryopreservation of tasar silkworm <i>Antheraea mylitta</i> semen and its artificial insemination	CENTRAL SILK BOARD, BANGALORE
4	2020 – 2021	Studies on the reproductive potential of tasar silkworm, <i>Antheraea mylitta</i> D with special reference to nutritional and mechanical indices	CENTRAL SILK BOARD, BANGALORE
5	2022-2024	Evaluation of Reproductive Performance of Eri Silkworm, <i>Samia ricini</i> (Donovan).	CENTRAL SILK BOARD, BANGALORE
6	2022-2025	Development and evaluation of eri silkworm (<i>Samia ricini</i> Donovan) breeds/hybrids with improved productivity	CENTRAL SILK BOARD, BANGALORE
7	2025-2026	Study on Effect of Sulphur-Based Fungicide cum Miticide on Mulberry Silkworm Seed Crop	CENTRAL SILK BOARD, BANGALORE
8	2025-2027	Evaluation of Bivoltine × Multivoltine Crosses for Reproductive performance and Commercial Utilization	CENTRAL SILK BOARD, BANGALORE



AWARDS:



University Gold Medal



Talagavara Kempaiah Sakamma Narayanaswamy Gold Medal



M/s Swan Silk Limited Gold Medal



Young Scientist Award



Best Poster Award



Best Oral Presentation Award



Awarded Rajiv Gandhi National Fellowship by UGC



Best Young Scientist Trainee Award



Certificate of Appreciation in Recognition of Exemplary
Contribution in The Year 2025





TRAINING PROGRAMMES: ★

- ★ Undergone a course on soft skills and interview handling by Lotus infotech
- ★ Personality development programme by Disha academy, Bangalore
- ★ Training in Oracle by Karnataka state electronics development corporation ltd.
- ★ Personality development to enhance employability by leader's academy for personal success pvt. ltd.
- ★ Agricultural science literature in Kannada and personality development by Department of Kannada studies
- ★ Statistical software for agricultural research and personality
- ★ Training programme on Sericulture technology
- ★ Application of statistical tools in Sericulture
- ★ Foundation Training for Young Scientists
- ★ National Programme for Training on Personal Effectiveness for Women Scientists (Mothers and Girls Improving Capability) MAGIC (Women Component) February 10-14, 2025



WORKSHOPS: ★

- ★ Brain storming workshop on issues and concerns of sericulture education in state agricultural universities
- ★ Disaster management and first aid workshop by National disaster management authority, India





PARTICIPATION AND PRESENTATION IN CONFERENCES:

1.

INTERNATIONAL CONFERENCES



- ★ • The 23rd International Congress on Sericulture and Silk Industry organized by International Sericultural Commission, Bangalore, India
- ★ • 7th International Conference on Managing Uncertainty and Complexity at Bangalore.
- ★ • 5th International Conference on Sustainable Utilization of Tropical Plant Biomass: Bioproducts, Biocatalysts and Biorefinery at Coimbatore.

2.

NATIONAL CONFERENCES



- ★ • First Poster Conference of the Master Degree Research Programme at UAS, GKVK, Bangalore.
- ★ • National Conference on Agricultural and Rural Innovations for Sustainable Empowerment at Telangana
- ★ • National Conference on Emerging Challenges and Opportunities in Agriculture, Social, Plant, Environment, Co-operatives and Technology at Hyderabad.





PUBLICATIONS: ★



Articles ★

- ★ KEERTHI, S. AND MALA, N., 2016. Uchitha kannada krushi masapatrike haagu pushtakagala sutta. *Krushimitra*, 13(9): 9.
- ★ KEERTHI, S. AND MALA, N., 2017, Zero budget natural farming for small and marginal farmers. *Kisan world*, 44(10): 43-44.



Abstracts ★

- ★ BIRADAR, G.S., HARSHITHA AND MALA, 2014, Risk and uncertainties in Indian farming and strategies to overcome. *Proceedings of seventh international conference on managing uncertainty and complexity*, Bangalore, pp.47.
- ★ MALA, N., 2014, Performance of multi x bivoltine cross breed of silkworm *Bombyx mori* L. with fortified mulberry leaves. *The Mysore Journal of Agricultural Sciences*, 49: 158.
- ★ MALA, N., FATIMA SADATULLA AND HARISH BABU, 2014, Effect of phyto extracts in combination on survival rate of *Bombyx mori* L. (PM x CSR₂) against diseases. *Abstract in The 23rd International Congress on Sericulture and Silk Industry organized by International Sericultural Commission*, Bangalore, India, P. 49-50.



Full Length papers ★

- ★ MALA, N., HARSHITHA, D. AND BIRADAR, G.S., 2014, By-product utilization and value addition in sericulture is a key to success. *Seventh international conference on managing uncertainty and complexity*, Excellent publishing house, New delhi, pp.53-57.
- ★ MALA, N. AND FATIMA SADATULLA, 2016, Comparative performance of *Aloe vera* and *Tinospora cordifolia* phyto extracts singly and in sixteen different combinations on economic traits of silkworm, *Bombyx mori* L. *Progressive Research – An International Journal*. 11: 124-127.
- ★ MALA, N., FATIMA SADATULLA AND HARISH BABU, S., 2017, Strengthening of sericulture industry through fortification of mulberry leaves to enhance commercial cocoon characteristics of silkworm. *Agriculture Update*. 12: 210-217.
- ★ MALA, N., VIJILA, K. AND TILAK, M., 2016, Contribution of gut bacteria to feed conversion efficiency of *Bombyx mori* reared on different forage. *Scientific papers - 5th International conference on sustainable utilization of tropical plant biomass: bioproducts, biocatalysts and biorefinery*, Coimbatore, p. 323-326.



- ★ MALA, N. AND VIJILA, K., 2017, **Changes in the activity of digestive enzymes produced from the gut microflora of silkworm *Bombyx mori* L. (Lepidoptera: Bombycidae) in response to fortification of mulberry leaves.** *International Journal of Current Microbiology and Applied Sciences*. **6 (11)**: 225-236.

- ★ MALA, N. AND VIJILA, K., 2017, **Beneficial effects of *Bacillus licheniformis* and *Bacillus niabensis* on growth and economic characteristics of silkworm, *Bombyx mori* L.** *International Journal of Chemical Studies*, **6(2)**:1750-1754.

- ★ Saravanakumar R, Ponnuvel KM, Anupama J, Sailaja B, **Mala N** and Manthira Moorthy (2025) **Identification and infectivity of different microsporidian isolates collected from sericulture (*Bombyx mori* L.) areas.** *International Journal of Biology Sciences*; **7(1)**: 36-40. NAAS rating- 4.8

- ★ **Mala N.** et al. (2025) Yield attributes of Eri Silkworm, *Samia ricini* Donovan in the rearing conditions of traditional and non-traditional provinces. international conference on “One Health Perspectives in Global Plant Protection Research (OHPGPR 2025)” organized during February 19-21, 2025 at TNAU, Coimbatore. 496-97.

- ★ Sailaja Bandam, Saravanakumar, R., Gogoi. D.K., Rajesh Kumar, Sudhakara Rao, **Mala. N.**, Soudaminy. P.V., Vijayakumari. K.M. and Manthira Moorthy, S. 2024. Muga embryonic chart: a morphological marker for developing muga egg handling techniques. Silkworm SeedCon-2024 - International conference on Silkworm Seed Industry: Opportunities and future prospects 30-31 Jan, 2024 (Abstract), pp-165.

- ★ Saravanakumar. R., Sailaja Bandam, Subramaniyam. G., Ponnuvel. K.M., **Mala. N.**, Soudaminy. P.V. and Manthira Moorthy, S. 2024. Identification and management of microsporidia for pebrine disease free seed production. Silkworm SeedCon-2024 - International conference on Silkworm Seed Industry: Opportunities and future prospects 30-31 Jan, 2024 (Abstract), pp-89.

- ★ **Mala. N.**, Fatima Sadatulla, Sailaja Bandam, Saravanakumar. R., Soudaminy. P.V. and Manthira Moorthy, S. 2024. Impact of medicinal phyto extracts on rearing performance of silkworm (*Bombyx mori* L.) seed crop. Silkworm SeedCon-2024 - International conference on Silkworm Seed Industry: Opportunities and future prospects 30-31 Jan, 2024 (Abstract), pp115.

- ★ Jena, K. Chakrapani, Prabhu, I.G., **Mala, N.** and Chowdary, N.B. 2024. Influence of soil nutrients and host plant nutrition on fecundity of tropical tasar silkworm *Antheraea mylitta*. Silkworm SeedCon-2024 - International conference on Silkworm Seed Industry: Opportunities and future prospects 30-31 Jan, 2024 (Abstract), pp-24.