

Curriculum Vitae

Dr. Hridya.H
Scientist-C
CENTRAL SERICULTURAL GERMPLASM
RESOURCES CENTRE
CENTRAL SILK BOARD, MINISTRY OF TEXTILES
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Qualification

Course of study	Institution	University	Year of Completion
Ph.D.	VIT University, Vellore, Tamilnadu, India	VIT University, Vellore	2018
Master of Science (Plant Biology & Plant Biotechnology)	Ethiraj College for Women, Egmore, Chennai, Tamilnadu, India	University of Madras	2013
Bachelor of Science (Plant Biology & Plant Biotechnology)	Ethiraj College for Women, Egmore, Chennai, Tamilnadu, India	University of Madras	2011

Ph.D. Research

Doctoral Thesis title 'Study on the inhibitory effect of brazilein and santalin on tyrosinase: hunt for natural anti-melanogenic agent'

Professional History

- Scientist-C in Central Sericultural Germplasm Resources Centre, Central Silk Board, Hosur, Tamilnadu, India (14 May 2025- till date)
- Scientist-C in Muga Eri Silkworm Seed Organisation, Central Silk Board, Guwahati, Assam, India (July 2022-13 May 2025)
- Scientist-B in Muga Eri Silkworm Seed Organisation, Central Silk Board, Guwahati, Assam, India (November 2018 –June 2022)
- Guest lecturer at Government College Kasaragod, Vidyanagar Kasaragod, Kerala, India (May 2018-October 2018)

- Research Fellow at KSCSTE Malabar Botanical Garden & Institute for Plant Sciences, Calicut, Kerala, India (September 2017- May 2018)
- Research Associateship in VIT University, Vellore, Tamilnadu, India (2013-2017)

Patent granted

Patent No. 414046 (Intellectual Property India) Application No. 201741029920 Date of filing: 23/08/2017 Patentee: VIT University Inventors: Dr Hridya.H and Dr. R.Siva

Invention: TOPICAL CREAM FORMULATION WITH EFFECTIVE DEPIGMENTATION AND PHOTO PROTECTIVE PROPERTY INCLUDING BRAZILEIN AND SANTALIN

Project Involved

Co-Principal Investigator in Central Silk Board project ARP05023 CN - Muga and Eri disease monitoring & Management in North eastern states of India (Project code: 8331) Collaborative project of CMER&TI Lahdoigarh Jorhat, Assam and MESSO Guwahati, Assam (April 2023 to December 2027)

Prizes, Appreciation and Awards

- ❖ Received Appreciation letter from ADS, Directorate of Textiles, Odisha and DOS Uttar Pradesh for Eridfl supply and coordination for enhanced eri silk production in the state
- ❖ Received second prize for the Poster presentation in National Symposium on 'Vanya Sericulture: Opportunities Galore' organized by CTR&TI Ranchi on October 28-29, 2022
- ❖ Appreciation certificate received as Invited speaker in the International Conference on Biotechnology for Environment & Health (ICBEH), organized by School of BioSciences and Technology, Vellore Institute of Technology along with Association of Biotechnology and Pharmacy, from November 25-27, 2021.
- ❖ Qualified CSIR NET lectureship in June 2016 – AIR 66
- ❖ First prize in south zone student research convention under health sciences and allied subjects category in ANVESHAN-2016 conducted by Association of Indian Universities, New Delhi.
- ❖ Prof. S.K. Mukherjee Gold Medal for the best research project in national level student research convention ANVESHAN-2016 instituted by Association of Indian Universities, New Delhi.
- ❖ Tmt.T. Dhanalakshmi endowment cash prize instituted by Mrs. Prema Sampathkumar for securing first mark in external examination of B.Sc major theory papers (all three years) in Ethiraj College for women, University of Madras, Chennai.
- ❖ Dr. Hema Balaram prize for student who stand first in the final year B.Sc Plant biology & Plant Biotechnology end semester examination Ethiraj College for women, University of Madras, Chennai.

- ❖ Molahalli Sri Ranga Rao Medal for outstanding student of I M.Sc PBPB, Ethiraj College for women, University of Madras, Chennai.
- ❖ Thiru P.R. Thulasingham Endowment cash prize for securing highest mark in plant taxonomy (2012-2013), Ethiraj College for women, University of Madras, Chennai.

Publications

No of Papers Published: 30

H index: 16

I10 index : 18

Citations: 1378

<https://scholar.google.co.in/citations?user=pxsgCsEAAAAJ&hl=en>

2024

- R Ravi Kumara, Suraksha Chanotra, L Guha, **H Hridya** and K Neog. 2024.Som (*Perseabombycina*): A Principle Host Plant for Muga Sericulture. *Research Trends in Silviculture and Agroforestry Volume – 4. Published By: AkiNik Publications*. ISBN: 978-93-6135-848-7.
- Sankari Mohan, **Hridya Hemachandran**, Tirumal Kumar D, George Priya Doss C, Reshma Anjum M, Narasimha G, Rossyda Priyadharshini, VeeranootNissapatorn, Siva Ramamoorthy * Adsorption of volatile Nor-isoprenoid ketone with bovine serum albumin via spectroscopic and computational investigation, *Materials International* (In press) 2024

2023

- N. Lalitha, **H. Hridya** and P. Borpuzari Phenology of Eri silkworm *Samia ricini* (Donovan) in Lower Assam and its impact on upscaling eri seed production, *Journal of Environmental Biology*, 2023 Vol. 44, 458-463)**NASS SCORE 6.70**
- B. N. Sarkar, Abhishek Singh, L. Guha, M. Majumdar and **H. Hridya** (2023)Morphological Variation of *Antheraea assamensis* Helfer upon Semi-domestication: A Study on Rearing, Disease Incidence and Seed Production Performance *Journal of Experimental Agriculture International* 45 (5) 24-32, Article no.JEAI.97963 ISSN: 2457-0591 **NASS SCORE 5.14**
- Book chapter -**Hridya H**, Lopamudra Guha and Sankari M, The Transition of Ericulture Waste to Wealth: Deciphering the Horizons”A Closer Look at Silkworms, 2023 Nova Science Publishers pp. 1-12, (Web of Science) ISBN: 979-8-88697-501-7

- **Hemachandran, H.**, Mohan, S. Wild cocoons, a reservoir of calcium oxalate; function and constraints. *Int J Trop Insect Sci* **43**, 313–319 (2023). <https://doi.org/10.1007/s42690-023-00961-4>(**IF 1.020**)
- **Hemachandran, H.**, Mohan, S., Siva, R. *et al.* Deciphering the isoprenoid pigment sequestration in silkworms and its function. *Int J Trop Insect Sci* **43**, 339–350 (2023). <https://doi.org/10.1007/s42690-023-00977-w>(**IF 1.020**)
- Sarkar, B. N. and Singh, Abhishek and Guha, L. and Majumdar, M. and **Hridya, H.** Morphological Variation of *Antheraea assamensis* Helfer upon Semi-domestication: A Study on Rearing, Disease Incidence and Seed Production Performance *Journal of Experimental Agriculture International* Volume 45, Issue 5, Page 24-32, 2023; Article no.JEAI.97963 ISSN: 2457-0591

2022

- Abhishek Singh, Vikram Kumar, Lopamudra Guha, **Hridya, H.**, Indirakumar AND Mahashankar Majumdar "Predisposing Factors determining the rearing performance of Muga Silkworm (*Antheraea assamensis* Helfer): A Review, *International Journal of Plant & Soil Science*, 2022 34(24), 756-762(**NAAS Score 5.07**)
- Dey, D., **Hridya, H.**, Doss, G. P., Priyadarshini, R., & Siva, R. (2022). Accumulation of betacyanin in *Hylocereus undatus* rind: Pigment stability analysis and its role in xanthine oxidase inhibition. *Phytomedicine Plus*, 2(1), 100197.

2021

- **Hridya, H.**, Guha, L., Mazumdar, M., Sarkar, B.N., Vijayakumar, S. and Borpuzari, P., 2021. Probing the potentiality of the defoliator *Criculatrifenestrata* Helfer silk: a revisit. *Bulletin of the National Research Centre*, 45(1), pp.1-8.

2019

- Hyde, K. D., Xu, J., Rapior, S., Jeewon, R., Lumyong, S., Niego, A. G. T. **Hridya, H.**, & Chaiyasen, A. (2019). The amazing potential of fungi: 50 ways we can exploit fungi industrially. *Fungal Diversity*, 1-136.(**IF 24.902**)
- Sankari, M., **H. Hridya**, P. Sneha, C. George Priya Doss, J. Godwin Christopher, Jill Mathew, Hatem Zayed, and Siva Ramamoorthy. "Implication of salt stress induces changes in pigment production, antioxidant enzyme activity, and qRT-PCR expression of genes involved in the biosynthetic pathway of *Bixa orellana* L." *Functional & integrative genomics* 19, no. 4 (2019): 565-574.(**IF 3.674**)

2018

- **Hemachandran, H.**, Jain, F., Mohan, S., Kumar, D.T., Priya Doss C.G., and Ramamoorthy, S., 2017. Glandular hair constituents of *Mallotus philippinensis* Muell. fruit act as tyrosinase inhibitors: insights from enzyme kinetics and simulation study. ***International Journal of Biological Macromolecules* 2018** (107), 1675-1682.(I.F.8.025)
- Mohan, S., **Hemachandran, H.**, Sneha, P., George Priya Doss, C., Godwin Christopher, J., Jayaraman, G., & Ramamoorthy, S. (2018). Structural insights into the binding mode and conformational changes of BSA induced by bixin and crocin. ***Journal of Biomolecular Structure and Dynamics***, 36(8), 2085-2098.(I.F.5.235)
- Gurudevaru, C., Gopalakrishnan, M., Senthilkumar, K., **Hemachandran, H.**, Siva, R., Srinivasan, T & Palanisami, N. (2018). Synthesis and structural and DNA binding studies of mono-and dinuclear copper (II) complexes constructed with— O and— N donor ligands: Potential anti-skin cancer drugs. ***Applied Organometallic Chemistry***, 32(2), e3998.(I.F. 4.072)

2017

- **H. Hridya** , Amrita Anantharaman, Sankari Mohan, Gopalakrishnan Mohan, Thirumal Kumar D, Diksha Dey, Drishty Kumar, Priyanka Dey, Amrita Choudhury, George Priya Doss and Siva Ramamoorthy .Unraveling the Inhibition Mechanism of Cyanidin-3-sophoroside on Polyphenol Oxidase and its Effect on Enzymatic Browning of Apples, ***Food Chemistry*** , 2017, 227, 102-110. (I.F.-9.231)
- Srividhya M, **Hridya H**, Shanthi V, Ramanathan K. Bioactive Amento flavone isolated from *Cassia fistula* L. leaves exhibits therapeutic efficacy. ***Biotech.*** 2017;7(1):33. doi:10.1007/s13205-017-0599-7. (I.F. 2.893)
- **Hridya Hemachandran**, C. George Priya Doss and Ramamoorthy Siva. Plant communication: an unresolved mystery, ***Current Science***, 2017, 112 (10) Commentary Article (I.F. 1.169)
- Sankari, M., Hridya, H., Sneha, P., Doss, C.G.P. and Ramamoorthy, S., 2017. Effect of UV radiation and its implications on carotenoid pathway in *Bixa orellana* L. ***Journal of Photochemistry and Photobiology B: Biology***. 2017 (176), 136-144. (I.F. 6.814)
- Sankari, M., Rao, P.R., **Hemachandran, H.**, Pullela, P.K., Tayubi, I.A., Subramanian, B., Gothandam, K.M., Singh, P. and Ramamoorthy, S., 2017. Prospects and progress in the production of valuable carotenoids: insights from metabolic engineering, synthetic biology, and computational approaches. ***Journal of biotechnology***. 2017 (226),89-101 (I.F. 3.595)

2016

- R. Priya, **H.Hridya**, A.Amrita, C.Rajasekaran, G.Christopher, P.Sneha, G.Priya Doss and R. Siva, Astaxanthin Biosynthetic Pathway: Molecular Phylogenies and Evolutionary Behaviour of Crt genes in eubacteria. *PlantGene*, 2016, 8, 32-41. [I.F. - 0.427]
- Mohan Sankari , **Hridya Hemachandran** , Amirtha Anantharaman & Subramanian Babu& Renata Rivera Madrid & George Priya Doss C & Devanand P. Fulzele& Ramamoorthy Siva , Identifying a Carotenoid Cleavage Dioxygenase 4a Gene and Its Efficient Agrobacterium-Mediated Genetic Transformation in *Bixa orellana* L. *Applied Biochemistry and Biotechnology*, 2016, 179(5) 697-714.DOI 10.1007/s12010-016-2025-8 (I.F.-3.094)
- Amrita Anantharaman, **Hridya Hemachandran**, Sankari Mohan, DhanoopManikothAyyathan, Thirumal Kumar D, George Priya Doss C, Ramamoorthy Siva, Induction of apoptosis by apocarotenoids in B16 melanoma cells through ROS-mediated mitochondrial-dependent pathway *Journal of Functional Foods*20 (2 0 1 6) 346–357 (I.F. –5.223)
- **H. Hridya**, Amrita Anantharaman, Rajendra Rao Priya, George Priya Doss and Ramamoorthy Siva, Interaction of Catechu Dye with DNA: Spectroscopic and in Silico Approach. *Nucleosides, Nucleotides and nucleic acids*, 2016, 35, 195-210. (I.F.– 1.28)
- **H. Hridya**, A. Amrita, M.Sankari, M. Gopalakrishnan, D.Thirumal Kumar, C.George Priya Doss and R. Siva, Functionality study of santalin as tyrosinase inhibitor: a potential depigmentation agent. *International Journal of Biological Macromolecules*,2016, 86, 383-389.(I.F–8.025)
- Anantharaman A, Priya RR, **Hemachandran Hridya**, Akella S, Rajasekaran C, Ganesh J, Fulzele DP, Siva R. Toxicity study of dibutyl phthalate of *Rubia cordifolia* fruits: in vivo and in silico analysis. *Environmental Toxicology*.2016, 31(9), 1059-67. Apr 30. doi: 10.1002/tox.22115 (I.F. 4.109)
- Amrita Anantharaman, **Hridya Hemachandran**, Rajendra Rao Priya, Mohan Sankari, Mohan Gopalakrishnan, Nallasamy Palanisami, Ramamoorthy Siva, Inhibitory effect of apocarotenoids on the activity of tyrosinase: Multi-spectroscopic and docking studies, *Journal of Bioscience and Bioengineering*,,2016, 121(1), 13-20 doi:10.1016/j.jbiosc.2015.05.007 (I.F. – 3.185)

2015

- **H. Hridya**, A. Amrita, M. Sankari, C George Priya Doss, M. Gopalakrishnan, C. Gopalakrishnan and R. Siva. Inhibitory effect of brazilein on tyrosinase and melanin synthesis: Kinetics and *In silico* approach. *International Journal of Biological Macromolecules*, 2015,81, 228-234.(I.F–8.025)

- Amrita Anantharaman, Rajendra Rao Priya, **Hridya Hemachandran**, Akella Sivaramakrishna, Subramanian Babu, Ramamoorthy Siva Studies on Interaction of Norbixin with Dna: Multispectroscopic and In Silico Analysis, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2015, 144 (5), 163–169 doi:10.1016/j.saa.2015.02.049 (I.F. – 4.831)

Articles and Technology Booklet

- ❖ Malek Ali, Dipen Borah and **Hridya H**; Success stories on A tale of Inspirational youth with muga culture Shri Sanjay Mushahary, and A story of resilient empowerment through muga culture Shri Jiten Rabha pp1-6 in Challenges to triumph: Success Stories of Muga and Eri culture First Edition November 2023, MESSO Guwahati
- ❖ Integrated pest management of uzi fly (*Exoristasorbillans*), Abhishek Singh, Vikram Kumar Lopamudra Guha and **Hridya H**, 2023 march
- ❖ Lopamudra Guha, **Hridya H** and K Neog, Challenges to triumph: Success Stories of Muga and Eri culture First Edition November 2023, MESSO Guwahati
- ❖ Technology booklet on Cultivation of Eri food plants, Eri silkworm rearing technology and disease management, 2023
- ❖ Management of Muga Diseases, Lopamudra Guha, Mahananda Chutia, **Hridya H** and B.N.Sarkar, 2023
- ❖ Muga Silkworm Host Plant and rearing management , Mahananda Chutia, Lopamudra Guha, **Hridya H** and B.N.Sarkar Published by MESSO 2nd Edition 2023
- ❖ **डॉहृदयाएच्**, डॉविक्रमकुमार (2023) वन्यरेशमकीटकेकोकूनमेंखनिजतत्वोंकेजमावकाप्रभाव: एकविस्तृतविवेचना/हिन्दी संवाद पत्र खंड VII, मू ए रे बी सं, के रे बो April 2022 –March 2023 pp 4-5
- ❖ Technology Booklet to Muga farmers “Improved methods of Muga Silkworm Rearing and Seed Production”, 22 November, 2019, MSSO Guwahati, Assam
- ❖ Vikram Kumar, Abhishek Singh, Mahasankar Majumdar, Lopamudra Guha, **Hridya H**. and Ritesh Kumar Parihar, जलवायुपरिवर्तनएवंइसकामुगारेशमकीटपालनपरप्रभाव,*Kheti*. June, 2020
- ❖ Dr. N.Lalitha, **Hridya.H** and P.Borpuzari (2021) Booklet on Standard Operating Procedure for Scientific Eri Silkworm Seed Production Published by P2 Eri Basic Seed Farm, Topatoli, Kamrup, Assam
- ❖ Impact of Covid-19 pandemic on eri culture and emerging scope for micro-entrepreneurs development, **Hridya.H**, B.N.Sarkar, Azizur Rahman P. Borpuzari, DA00107, *Indian Silk* , April 2021
- ❖ मेलानिननिष्कर्षणकेलिएरीपतंगेकेपंखकाअन्वेषण, Hridya.H, Muga Eri Silkworm Seed Organization, Central Silk Board, Hindi Newsletter, Vol VI April 2021-March 2022 Edition.

Abstract in Proceedings

- ❖ **Hridya.H**, Lopamudra, Guha, B.N.Sarkar, Mahananda Chutia, P.Borpuzari, Unravelling the scope of transforming Ericulture waste to wealth for sustainable livelihood to combat covid socioeconomic impact, Abstract in Book of Abstract, published in the National Seminar on Conservation of Biodiversity & Microbial Diversity with potential for application in Agriculture and Sericulture in North East India organized by Department of Botany, USTM & MESSO on 25th& 26th March, 2022.

- ❖ **Hridya H**, Lopamudra Guha, Lalitha Natarajan and Prabhat Borpuzari "Perspective on sequestration of Tetraterpenoid pigment in silkworms and its biological activity" in the Abstract Book of National Seminar on Climate Smart Sericulture-2022, Approaches for sustainable sericulture organized by Central Silk Board, Bangalore on October, 06-07th 2022 at NIFT Bangalore
- ❖ Lalitha Natarajan, **Hridya H**, and Prabhat Borpuzari "Multiple Dimensions of Climate Change and its implications on Eri silk production in North East India" in the Abstract Book of National Seminar on Climate Smart Sericulture-2022, Approaches for sustainable sericulture organized by Central Silk Board, Bangalore on October, 06-07th 2022 at NIFT Bangalore
- ❖ **Hridya. H**, N. Lalitha , B. N. Sarkar , Lopamudra Guha¹ and P. Borpuzari "Seed Production Strategies To Upscale Eri Raw Silk Production: An Overview" in the Abstract Book of National Symposium on 'Vanya Sericulture : Opportunities Galore' ORGANIZED BY CTR&TI Ranchi on October 28-29, 2022 pp.142
- ❖ Lopamudra Guha, MahasankarMajumdar ,**Hridya, H** and Prabhat Borpuzari "Eco-Friendly Tools For Management Of Insect Pest In Muga Culture" in the Abstract Book of National Symposium on 'Vanya Sericulture : Opportunities Galore' ORGANIZED BY CTR&TI Ranchi on October 28-29, 2022 pp. 134
- ❖ Lalitha N, **Hridya H**, and P. Borpuzari² "Problems and Prospects of Eri Silkworm Seed Production in Assam" in the Abstract Book of National Symposium on 'Vanya Sericulture: Opportunities Galore' organized by CTR&TI Ranchi on October 28-29, 2022 pp. 136

Reviewer

Invited as Reviewer in **Phytomedicine (Elsevier)**, **Bulletin of National Research Centre (Springer)** and **Natural Product Research (Taylor & Francis group)** **Current Science**, **International journal of Tropical Insect Science**, **Zoos printjournals** ,

Conference, Seminar& Workshops attended

- ❖ Organized and participated in Workshop on 'Muga and Eri seed production and Supply: challenges and opportunities' organized of Muga Eri Silkworm Seed Organization , Central Silk Board, Guwahati, at Assam Administrative College , Guwahati on 3rd February, 2023.
- ❖ Attended brainstorming Workshop on "Women Empowerment through Sericulture" by DOS under World Bank funded project APART on 10.06.2023
- ❖ Participated in the Bio economy 2023, International Conference, organized by IIT Guwahati 11-12 October, 2023
- ❖ Presented paper in the National Seminar cum krishimela on "Conservation of Biodiversity, Microbial Diversity with potential for application in Agriculture and Sericulture in North East India" organized by USTM, Meghalaya and MESSO, Guwahati on 25th – 26th March, 2022.
- ❖ Participated in poster presentation for the National Seminar on Climate Smart Sericulture- Approaches for Sustainable Sericulture organised by C.O.Bangalore on 6th - 7th October 2022 at NIFT Bengaluru.

- ❖ Technical session taken for one need based training programme on erigrainage technologies for DOS Mizoram officials at P2 EBSF Topatoli on 13.10.2022
- ❖ Participated in the brainstorming workshop organized by CMER&TI, Lahdoigarh on 'Emerging needs and critical gaps in Muga and Eri culture' on 14.03.2022 at NEHU Guest House, Guwahati
- ❖ Participated in DOS Assam opiu-Sericulture Workshop on "Integrating traditional cum Scientific approaches for Improvement of productivity in Muga and Ericulture "at mission director, state sericulture office, Assam on 30.09.2022
- ❖ Attended one day webinar on Development of Entrepreneurial skills for Promotion of Sericulture Industry on 22 April 2022 organized by The MANAGE, Hyderabad
- ❖ **Delivered an Invited Talk** in the Five Days Online Lecture Workshop on "Plants and Algae: From Basic Biology to Advanced Biotechnology" Organized by Centre for Ocean Research, Col. Dr. Jeppiaar Research Park, Sathyabama Institute of Science and Technology in association with Earth Science and Technology Cell, Ministry of Earth Sciences from 07th to 11th November, 2022
- ❖ Presented Poster on "Perspective on sequestration of Tetraterpenoid pigment in silkworms and its biological activity" in the National Seminar on Climate Smart Sericulture-2022, Approaches for sustainable sericulture organized by Central Silk Board, Bangalore on October, 06-07th 2022 at NIFT Bangalore
- ❖ Presented Paper on "Unraveling the scope of transforming Ericulture waste to wealth for sustainable livelihood to combat the covid socioeconomic impact" in the National Seminar on Conservation of Biodiversity, Microbial Diversity with potential for application in Agriculture and Sericulture in North East India organized by University of Science & Technology, Meghalaya on 26th March 2022
- ❖ Participated in the brainstorming workshop on "Emerging needs and critical gaps in Muga and Eri culture" held at NEHU, Guest House, Guwahati on 14th March 2022 organised by Central Muga Eri Research and Training Institute, Lahdoigarh, Jorhat, Assam
- ❖ **Invited as a speaker** In the International Conference on Biotechnology for Environment & Health (ICBEH), organized by School of Bio Sciences and Technology, Vellore Institute of Technology along with Association of Biotechnology and Pharmacy, from November 25-27, 2021
- ❖ Participated in Two day international Webinar on Biotechnology : Modern Molecular Approches organized by Department of Biotechnology, Sri Padmavathi Mahila Viswavidyalayam: Tirupathi (Womens University) Andhra Pradesh, India on 10th – 11th September, 2020
- ❖ Participated in the webinar on "CRISPR-Cas Based Genome Manipulation : A Revolutionary Tool For Modern Biology" Organised by Department of Biosciences, Union Christian College, Aluva, Kerala, India On November 7th 2020.
- ❖ Participated in National Webinar on "Herbal Resource and their Role in Boosting Immunity against COVID-19" organised by School of Studies in Botany, Jiwaji University, Gwalior, Madhya Pradesh and S.K.Jain Institute of Ethnobiology on 15th June 2020

- ❖ Nominated as Physical verification executive (PVE) by Ministry of Textiles for verification of training centres proposed by state government under SAMARTH scheme.
- ❖ Nominated for Orientation Training on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 for Officials of Government Departments, Members of ICC and LCC held on July 18-19, 2019
- ❖ Attended one day workshop on 'Management Information System' at CSB, Bangalore on 01.10.2019.
- ❖ Won second prize in poster presentation in International symposium on Medicinal Plants and Herbal drugs in Human and Livestock Wealth A Global Prospective conducted by Pachaiyappa's College Chennai. 29th to 31st January 2016
- ❖ Presented paper at the 3rd International Conference and Exhibition on Pharmacognosy, Phytochemistry and Natural products in Hyderabad, India organized by Omics international. 26-28th October, 2015
- ❖ Presented paper in National Conference on New Horizons in Plant Biotechnology: Innovative products and applications organized by department of biotechnology, school of biosciences and technology VIT University, Vellore, 11th and 12th March 2016.
- ❖ Presented Poster in International Conference of Biotechnology on Implications of Biotechnology on Biodiversity and its Conservation conducted by Ethiraj college for women in collaboration with M.S. Swaminathan research foundation- Chennai, Tamilnadu. 27th to 28th January 2011.
- ❖ Presented Paper in XV AZRA International Conference on Recent Advances in Life Sciences by Ethiraj college for women in collaboration with Applied Zoologists Research Association (AZRA), Bhubaneswar and Zoological Survey of India. 11-13th February, 2016
- ❖ Presented Poster in International Conference on Current Trends in Biotechnology ICCB-2016 organized by VIT University, Vellore in association with Biotech Research Society, India (BRSI), 8-10TH December, 2016.

Membership to Academic Society/Bodies

Life Membership in National Academy of Sericulture Science India, NASSIW.e.f 2023

Training attended

1. 30 Days International Agriculture Training-cum-Winter School Approved Program Schedule ON Novel Approaches in Agricultural Systems March 1-30, 2025
2. Attended online training on Public-Private Partnership in natural fibre production, processing and value addition organised by ICAR-National Institute of Natural Fibre Engineering and Technology (ICAR-NINFET), Kolkata **10-02-2025 to 14-02.2025**
3. Documentation Techniques of Farmer Innovations in Agri. and Allied Sectors for Extension Professionals on 18th to 22nd November, 2024 organised by MANAGE Hyderabad
4. 21 Days National Training Cum Summer School on "Entrepreneurship Opportunities in Agriculture, Horticulture, Fisheries, Animal Husbandry & Dairy Sector for Self-Reliant India

July 01-21, 2024organised by College of Horticulture and Forestry, Central Agricultural University Pasighat-Arunachal Pradesh, India and Agro Environmental Development Society, Rampur-244922, Uttar Pradesh

5. Hands on Training on Statistical Analysis and Exploring the Role of Agriculture in Industry Domains"organized by The Indian Society of Agronomy during 22-31August 2024.
6. Five Days Online Training Program on "Harvesting Wisdom: Online Knowledge Management in Agriculture" during 19-23 August 2024, organized by Bihar Agricultural University, Sabour and MANAGE, Hyderabad.
7. Attended DST sponsored training program on “social responsibility of personal effectiveness at workplace for scientists and technologies” at XIM University, Bhubaneswar Orissa from Nov, 20th to 24th, 2023.
8. Online Training on the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 for the Presiding Officers and Members of the Internal Complaint Committees of Government Institutions organized by National Institute of Public Cooperation and Child Development, Regional Centre (Guwahati) on 17 August, 2023
9. Attended Hands on Training Programme on eSubMIS web portal of CSB on 24th April 2023 at Central Office, CSB, Bangalore on 24th April 2023
10. Attended the "Online Training on Sexual Harassment of Women at Work Place (Prevention, Prohibition and Redressal) Act, 2013" organized by National Institute of Public Cooperation and Child Development, Regional Centre (Guwahati) from 25-26 May, 2022.
11. One day hands on training programme on Physical Verification of Training Centre of NorthEast states under SAMARTH scheme and Interface with Training coordinators of CSB TrainingCentreonSamarthaction Plan&MIS wasorganizedat MESSOon08.09.2021
12. Participated in the online training programme on “Production of quality planting material of tropical tuber crops for North Eastern Hill region” organised by ICAR-CTCRI, Agri Business incubator, Thiruvananthapuram on June 04, 2021
13. Participated in three day Skill Development Program on sericulture from July 15th -17th, 2021 organised by Department of Entomology, College of Agriculture, Faculty of Agriculture, Parul University, Vadodara, Gujarat
14. Participated in Online Training Programme of ‘Extension Management Approaches for Promotion of Sericulture Industry’ organised by National Institute of Agriculture Extension Management MANAGE, Hyderabad on December, 15-18, 2020
15. Participated in online WGCapD Webinar Series on“Remote Sensing in Crop Monitoring and Assessment” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, during 19 May to 9 June, 2020.
16. Nominated for Orientation Training on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 for Officials of Government Departments, Members of ICC and LCC held on July18-19, 2019

Research Interest

Plant Dyes and Pigments, Applied Biology and Biochromes, Endophyte biology, Melanin pigmentation in plants and animals, Secondary metabolite production, DNA

interaction, protein binding studies, Plant biology, Food chemistry and wild silkworm seed production

Declaration

I hereby confirm that the information given above is correct