

# NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

## COIMBATORE

### STAFF PROFILE

**NAME** : M. SARADHA  
**DESIGNATION** : Assistant Professor  
**DEPARTMENT** : Botany  
**QUALIFICATION** : M.Sc., M.Phil., B.Ed., Ph.D  
**EXPERIENCE** : 12  
**AREAS OF SPECIALIZATION** : Plant Tissue culture, Phytochemistry, Microbiology, Pharmacology, Pharmacognosy.  
**E-MAIL** : [saradha.bio@gmail.com](mailto:saradha.bio@gmail.com),  
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**ACADEMIC QUALIFICATIONS** :

DEGREE	YEAR OF COMPLETION	NAME OF THE INSTITUTION	CLASS
B.Sc (Plant Biology and Plant Biotechnology)	2002-2005	Gobi Arts and Science College (Autonomous), Gobichettipalayam- 638 453.	First Class
M.Sc (Botany)	2005-2007	Government Arts College (Autonomous), Coimbatore - 641 018.	First Class
B.Ed (Biological Science)	2007-2008	V.O.C. College of Education, Thoothukudi-628 008.	First Class
M.Phil (Botany)	2008-2009	Government Arts College (Autonomous), Coimbatore 641 018.	First Class
Ph.D (Botany)	2011-2013	Kongunadu Arts and Science College (Autonomous), Coimbatore- 641 029.	Highly commended

**ADDITIONAL QUALIFICATIONS:**

DIPLOMA/ VOCATIONAL/ CERTIFICATION	AREA OF SPECIALIZATION	NAME OF THE INSTITUTION/ UNIVERSITY/ AGENCY	YEAR
PGDCA	Computer Application	Nirmala College for Women (Autonomous) Coimbatore- 641 018	2021-2022

**RESEARCH GUIDANCE:**

PROGRAMME	NO. OF SCHOLARS	
	COMPLETED	PURSUING
Ph.D	3	3
M.Phil	1	-

**RESEARCH PUBLICATIONS:****INTERNATIONAL & NATIONAL**

1. **Saradha M** and Paulsamy S. 2012. Antibacterial activity of leaf and stem bark extracts of the endangered tree species, *Hildegardia populifolia* (Roxb.) Schott and Endl. (Sterculiaceae). *Journal of research in Antimicrobials* **1**, 023-027.
2. **Saradha M** and Paulsamy S. 2012. Effect of growth hormones on rooting attributers of stem cuttings of endangered plant species, *Hildegardia populifolia* (Roxb.) Schott and Endl. (Sterculiaceae). *International Journal of Biology, Pharmacy and Allied Sciences*. **1**(8): 1145-1152.
3. Paulsamy S, Balasubramanium V, **Saradha M** and Ganesan CM. 2012. Diversity status and medicinal and other economic importance of plant species present in the natural vegetation of Kongunadu Arts and Science College campus, Coimbatore, India. *Biology*. **1**(1): 001-020.
4. **Saradha, M** and S. Paulsamy. 2012. *In vitro* antioxidant activity and polyphenol estimation of methanolic extract of endangered medicinal tree species, *Hildegardia populifolia* (Roxb.) Schott & Endl. *International Journal of Phytomedicine*. **4**(1): 362-368.
5. **Saradha, M** and S. Paulsamy. 2013. The antinociceptive and anti-inflammatory activities of stem bark of *Hildegardia populifolia* (Roxb.) Schott and Endl. *International Journal of Pharma and Biosciences*. **4**(3): (P) 30 – 36.
6. Moorthy, D., S. Paulsamy, K. Nandakumar and **M. Saradha**. 2013. Evaluation of *in vitro* antioxidant potential of methanolic extracts of the ferns, *Actiniopteris radiata* (Sw) Link. and *Equisetum ramosissimum* Desf. *International Journal of Research and Development in Pharmacy and Life Sciences*. **2**(3):451-455.

7. Jayakrishnan, C., Roshan K.V. Ramesh, **Saradha, M** and S. Paulsamy. 2013. Estimation of total phenolics and flavonoids, and *in vitro* antioxidant activity of *Barleria prionitis* L. (Acanthaceae). *Natural Products Research Bulletin*. **1**(1): 25-33.
8. Thenmozhi, K, **Saradha, M.** Manian, S. Paulsamy, S. 2013. *In vitro* antimicrobial potential of root extracts of the medicinal plant species, *Emelia sonchifolia* (Linn.) DC. *Asian Journal of Pharmaceutical and Clinical research*. **6**(3): 149-151.
9. Moorthy D. S. Paulsamy, K. Nandhakumar and **M. Saradha**. 2013. *In vitro* antibacterial activity of the fern, *Actiniopteris radiata* (Sw) Link. inhabiting the Shervaroyan Hills, the Eastern Ghats. *Journal of Chemical and Pharmaceutical Research*. **5**(7): 211-214.
10. Prema R, S. Paulsamy, J. Thambiraj and **M. Saradha**, 2013. Indirect organogenesis of the medicinal plant species, *Cryptolepis grandiflora* Wight. (Apocynaceae) by tissue culture technique. *International Journal of Pharmaceutical, Chemical and Biological Sciences*. **3**(4): 1001-1005.
11. **Saradha, M.**, S. Paulsamy and R. Vinitha. 2013. Antioxidant and antihemolytic activity of an endangered plant species, *Hildegardia populifolia* (Roxb.) Schott & Endl. *Asian Journal of Pharmaceutical and Clinical Research*. **6**(5): 135-137.
12. **Saradha, M**, S. Paulsamy and G. Abinaya, 2013. *In vitro* antifungal activity of leaf and stem bark extracts of the endangered traditional medicinal tree species, *Hildegardia populifolia* (Roxb.) Schott & Endl. *International Journal of Pharmacy and Pharmaceutical Sciences*. **5**(4): 643-646.
13. Abinaya G, S. Paulsamy and **M. Saradha**. 2013. *In vitro* antimicrobial activity of leaf, stem and root extracts of the medicinal plant species, *Thalictrum javanicum* Blume against certain human pathogens. *International Journal of Pharmacy and Pharmaceutical Sciences*. **5**(4): 71-75.
14. **Saradha, M** and S. Paulsamy. 2013. GC-MS analysis for bioactive compounds from methanolic leaf and stem bark extracts of *Hildegardia populifolia* (Roxb.) Schott & Endl. *International Journal of Pharmaceutical Sciences Review and Research*. **23**(2):328-332.
15. Abinaya, G. S. Paulsamy and **M. Saradha**, 2013. Antioxidant potential of leaf, stem and root extracts of *Thalictrum javanicum* Blume. *International journal of biological and Pharmaceutical Research*. **4**(12): 1217-1221.
16. **Saradha, M**, P. Ranjitham and S. Paulsamy. 2014. Evaluation of *in vitro* antioxidant properties of callus cultures of an endangered medicinal tree species, *Hildegardia*

*populifolia* (Roxb.) Schott & Endl. *International Journal of Pharmaceutical Sciences and Research*. 5(3): 839-848.

17. **Saradha, M.**, S. Paulsamy and G. Abinaya, 2014. Screening of phytochemicals and quantitative estimation of total flavonoids and phenolic compounds of *Lagascea mollis* Cav. (Asteraceae). *Kongunadu Research Journal*. 1(2): 94-97.
18. Abinaya G, S.Paulsamy and **M. Saradha**, 2014. Quantification of certain secondary metabolites and evaluation of antioxidant properties in the traditional medicinal plant, *Thalictrum javanicum* Blume. *World Journal of Pharmacy and Pharmaceutical Sciences*, 3(6): 1856 – 1873.
19. **Saradha Maran**, and Paulsamy Subramaniam. 2015. Evaluation of anti-inflammatory and analgesic activities of methanolic leaf extract of the endangered tree species, *Hildegardia populifolia* (Roxb.) Schott and Endl. *Int J Green Pharm*, 9:125-30. (April – June)
20. **Saradha M** and Samyudurai P. 2015. Effect of different rooting media and plant growth hormones on rooting of critically endangered species, *Utleria salicifolia* leafy stem cuttings: a conservation effort. *Indian Journal of Plant Sciences*. Vol. 4 (4): 30-34. (December)
21. Samyudurai P, **Saradha M**. 2016. Effects of Various Solvent on the Extraction of Antimicrobial, Antioxidant Phenolics from the Stem Bark of *Decalepis hamiltonii* Wight and Arn. *Asian Journal of Research in Pharmaceutical Science*. 6(2):129-134. (June)
22. Panneer Selvam K, R. Ezhumalai, A. Rajasekar, A. Vijayaragavan, P. Samyudurai, V. Aravindhan, M. Senthilkumar, **M. Saradha**. 2016. Documentation of indigenous and traditional knowledge of Irular tribe of Ariyalur district, Tamilnadu. *International Journal of Ethnobiology & Ethnomedicine*. 2 (1):1-9. (March)
23. Samyudurai P., **M. Saradha**, R. Ramakrishnan, S.Santhoshkumar and V. Thangapandian, 2016. Micropropagation prospective of cotyledonary explants of *Decalepis hamiltonii* Wight & Arn. An endangered edible species. *Indian Journal of Biotechnology*.15: 256-260. (April)
24. **Saradha M.**, P. Samyudurai, S. Jeevith and K. Panneerselvam, 2016. Traditional knowledge of cultivated cereals for their food security in Irular tribe of Palamalai hills, a part of Western Ghats of Coimbatore, Tamil Nadu, India. *International Journal of Bioresource Science*. 3(1): 65-68. (January)

25. Panneer Selvam, K. Ezhumalai, R., Vijayaraghavan, A., Thangamani, D., Sivaprakash, M., Aravindan, V., Samydurai, P., **Saradha, M.** 2017. Enhancing the rural livelihood and to mitigate the climate change through medicinal plant based Agroforestry. *Devagiri Journal of Science*. 3(1): 1-10. (October)
26. **Saradha, M.**, P. Samydurai and G. Divya Bharathi, 2017. Documentation of aboriginal traditional knowledge and inherent indigenous therapeutic plants used by Irula tribals of Coimbatore district, Tamilnadu, India. *Kongunadu Research Journal*, 4(1): 114-120.
27. **Saradha, M.**, G. Divya Bhrathi and S. Paulsamy. 2017. Ethnobotanical study of knowledge and medicinal plants use by the Kurumba tribes in Chemmankarai, Nilgiri district, Tamilnadu. *Kong. Res. J.* 4(2): 136-146.
28. **Saradha.M** and P. Samydurai. 2018. Micropropagation of critically endangered medicinal plant, *Utleria salicifolia* (Bedd. ex Hook.f.) Bruyns. *International Journal of Current Research*. 10(7): 71698-71703. (July)
29. **Saradha. M** and P. Samydurai. 2019. Effect of IAA on rooting of *Boerhaavia diffusa* L. Stem cuttings. *Research Journal of biological Science*. VIII(1): 41-47.
30. Divya Bharathi G and **M. Saradha**, 2019. Volatile compound analysis using GC-MS, phytochemical screening and antioxidant activity of *Ficus amplocarpa* Govind and Masil Fruit. *Global journal of Bioscience and biotechnology*. Vol 8 (1): 1-9.
31. Divya Bharathi G, **Saradha M**, Vishnu Kumar S, Samydurai P and Pugalenth M 2019. Validation of underutilized wild edible fruits from the shola forest of Nilgiris, Western Ghats, Tamil Nadu, India. *Infokara Research*. Vol 8(8): pp 36-49.
32. Divya Bharathi G, Vishnu Kumar S, **Saradha M**, Pugalenth M, Samydurai P. 2019. Medicinal plants used for the treatment of skin diseases by Kurumba tribes of Nilgiri District, Tamilnadu. *International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)*. Vol 5 (5): 1121-1125.
33. Divya Bharathi G, Vishnu Kumar S, Samydurai P, Pugalenth M and **Saradha M** 2019. Floristic Study in Sholur Wetlands of Nilgiris District, Tamil Nadu, South India. *Journal of Emerging Technologies and Innovative Research (JETIR)*. Vol 6 (4): pp 155-166.
34. **Saradha, M.** 2019. Analgesic and anti-inflammatory activities of methanol tuberous root extract of *Decalepis salicifolia* (Bedd. ex. Hook. f) Venter. *International Journal of Life Sciences*. 7(4): 649-654.

35. Mangala, N. and **M. Saradha**. 2020. Effective protocol for conservation of *Plumbago rosea* - a plant of novel and potent anticancer compound Plumbagin. *Journal of Global Biosciences*. 9(4): 6943-6952. **1**
36. Kavi Malar S., Surajit Das, **Saradha M.** and Arul Sheeba Rani M. 2020. Studies on characterization of biofilm associated EPS of *Pseudomonas aeruginosa* and its interaction with the organic and inorganic pollutants. *Journal of Global Biosciences*. 9(4): 6974-6982. **2**
37. Kavi Malar S., **Saradha M.** 2020. Strategies for phytoremediation of soil contaminated with lead using *Alternanthera sessilis*. *International Journal of Current Research in Biosciences and Plant Biology*. 7(5), 46-50.
38. Divya R, **M. Saradha** and G.Divya Bharathi. 2020. Exploration of volatile compounds from methanolic extract of leaf and tuberous root of *Decalepis nervosa* (Weight & Arn.) Venter. Using GC-MS. *Indo Global journal of Pharmaceutical Sciences*.
39. Divya R, **M. Saradha** and G. Divya Bharathi. 2020. Evaluation of antibacterial efficacy of different solvent extracts of leaf and tuberous root of *Decalepis nervosa* (Weight & Arn.) Venter. *Journal of Advanced Scientific Research*. 11(5): 97-101.
40. Madhumonisa A. S, **Saradha M.** 2021. Effect of Air Pollution on Leaf Properties of Selected Plants. *International Journal of Scientific Development and Research*. 6(3):233-235.
41. Santhoshkumar, S., S. Ponnusamy & **M. Saradha**. 2021. New distribution record of Fringed Earthstar Fungus from the Western Ghats of Nilgiris, Tamil Nadu, India, Fun Guy #2, In: *Zoo's Print* 36 (4): 19-21.
42. Jansirani P., Johny Kumar Tagore, P. Raja and **M.Saradha**, 2020. Phytodiversity of Soolakarai Kaliyamman Scared grove in Sivagangai District, Tamilnadu, India. *Journal of Economic and Taxonomic Botany*. 44(1-4): 75-83.
43. Soja S and **M. Saradha**, 2021. Documentation of medicinal plants used by the traditional healers, Mayannur Forest, Trissur District, Kerala, India, *Kong. Res. J.* 8(2): 8-26.
44. Madhumonisha AS and **M.Saradha**, 2022. Medicinal plants and their traditional uses in local communities around Sivanmalai hills, Tiruppur district, Tamilnadu, India. *International Journal of Botany studies*.7 (1): 270-276.
45. Sandhya M and **Saradha M.** 2022. Biochemical characterization of selected edible nut seeds. *International Journal of Pharmaceutical and Bio-Medical Science*. 02 (11):524-528.

46. Kavimalar S and **Saradha M.** 2022. Comparative phytochemical analysis and mineral profile of *Rosa damascene* and *Rosa centifolia*. *International Journal of Pharmaceutical and Bio-Medical Science*. 2(11): 565-569.
47. Kavimalar S and **Saradha M.** 2023. Antimicrobial activity of essential oil of *Pogostemon mollis* (Lamiaceae)- A promising ethno-medicinal plant. *Indian Journal of Natural Science*. 14 (77): 55708-55712.
48. **Saradha M.** P.Samydurai and Jansirani P. 2023. Comparative studies on morphology and Phytochemical screening of *Plumbago* species (Plumbaginaceae). *Indian Journal of Natural Science*. 14 (77):55713-55718.
49. Ameesha Premchand and **M.Saradha.** 2023. Documentation of floristic diversity in Ponparakunnu hills, Kozhikode District, Kerala and biological activities of *Eclipta prostrate* L. and *Eupatorium triplinerve* Vahl (Asteraceae). *Journal of Pharmacognosy and Phytochemistry*. 12(5):55-61.
50. **Saradha M.** 2023. Primary healthcare medicinal plants and market value of the tribal inhabitant area of Palamalai Hills, Coimbatore District, Tamilnadu. *International journal of Herbal Medicine*. 11(6): 23-27. <https://doi.org/10.22271/flora.2023.v11.i6a.910>.
51. Jeevith S., CR. Aswathi, P.Samydurai, **M.Saradha** and K.Nagaraj. 2023. Ethnomedicinal plants used by Irula tribe in Tamil Nadu, India: A review. *Annales Universitatis Paedagogicae Cracoviensis Studia Naturae*. 8: 213-252. DOI: 10.24917/25438832.8.11.
52. Kavimalar S and **Saradha M** and Thandeeswaran M. 2024. Identification of the potential phytocompounds from *Endostemon viscosus* against GAPDH: a computational approach. *In silico Pharmacology* (Springer Nature): 12:11. <https://doi.org/10.1007/s40203-023-00183-z>.
53. Divya Bhaarathi G., **M.Saradha**, S. Vishnu Kumar, P.Samdurai and M.Pugalenthi. 2024. Validation of under-utilized wild edible fruits from the Shola forest of Nilgiris, Western Ghats, Tamilnadu, India. *Studies in Science of Science*. 42 (4): 1-14.
54. Vaishnavi, **Saradha M.**, Kavimalar S, Samyudurai P. 2024. Evaluation of Preliminary Phytochemical, Antidandruf and Antioxidant activity of medicinally and economically important plant, *Writia tinctoria* (Apocynaceae). *Kongunadu Research Journal*. 11(2): 1-7.
55. Vennila S and M.Saradha 2024. In vitro Antioxidant activity of *Embelia basaal* Burm.f.(Myrsinaceae), *Kongunadu Research Journal*. 11(2): 54-63.

56. Angel Beaula V and **M.Saradha**. 2025. Potential medicinal plant resources in Sathyamangalam hills, part of Eastern Ghats, Tamilnadu, India. *Journal of Ethnobotany and traditional Practice*. 1(1): 33-38.
57. **Saradha** M. Samydurai P, S.Santhishkumar, M.Karthik Prabhu, and K.Shanmugasundaram, 2025. Morphological and molecular DNA barcoding (ITS) sequencing analysis of *Russula delica* Fr. *Traditional Journal of Biology and Biotechnological Research*. 1(1): 1-6.
58. Samydurai P, Rajendran A, **Saradha** M, Rajasekar C and Muthulakshmi P.2025. Morphological descriptors and molecular markers assessment of two endemic species of *Andrographis* from Western Ghats of India. *Traditional Journal of Biology and Biotechnological Research*. 1(1): 7-15.
59. Samydurai P, K.Shanmugasundaram, D. Moorthy, **M.Saradha**, S.Jeevith and A.Rajendran, 2025. Ethnobotany, grassland Diversity and Conservation of threatened plant species in Western Ghats regions of Nilgiris, Tamilnadu India. *Journal of Ethnobotany and traditional Practice*, 1(1): 1-12.
60. Anagha VK, **Saradha** M and S.Kavimalar, 2025. Assessment of Phyto-diversity and Phyllotaxy of Cherikkal village, Kannur District, Kerala. *Journal of Ethnobotany and traditional Practice*, 1(1):20-40.
61. Kavimalar S and **Saradha M**. Suganthi P. 2025. *In silico* pharmacological profiling of *Endostemon viscosus* bioactive compounds targeting MMP-9 for wound healing. *In silico Pharmacology* 13: 196. <https://doi.org/10.1007/s40203-025-00487-2>.
62. Vennila S and **M.Saradha**. 2026. Analysis of the Antimicrobial efficacy of Acetome leaf and bark Extracts of *Embelia basaal*. *Archives of Current Research International*. 26(2): 290-297.

#### BOOK PUBLICATIONS

1. **Saradha M** and S.Paulsamy 2022. Propagation strategies for the vulnerable medicinal tree species *Hildegardia populifolia* (Roxb.) Schott & Endl. (Malvaceae). Royal book publication, Salem. p. 76.
2. **Saradha M** and S. Paulsamy 2024. Phytochemical profile of the Critically Endangered medicinal plant species, *Hildegardia populifolia* (Roxb.) Schott & Endl. p. 106.
3. **Saradha M** and P.Samydurai 2024. Plant Diversity- Objective Questions, ISBN: 9788198313171.
4. **Saradha M** and P.Samydurai, 2025. Plant Physiology-A Comprehensive Question bank. ISBN:9-788198-465399.

5. **Saradha M** and P.Samydurai 2025. Advances in Apocynaceae Research. ISBN: 978-81-986080-2-4.

#### PAPERS PUBLISHED IN BOOK CHAPTERS

1. Divya Bharathi G and **Saradha M.** 2020. Medicinal Climbers of Karikkiyur Hills in the Southern Western Ghats of Tamil Nadu, India. *Research Trends in Medicinal Plant Sciences*. Book chapter. AkiNik publication. 15-26. ISBN: 978-93-90322-11-4
2. Kavi Malar S., **M Saradha**, P. Samydurai, and Karuppusamy Arunachalam. 2026. An Ethnobotanical Exploration of Oil-Yielding Medicinal Plants from Chitteri Hills, the Eastern Ghats, Tamil Nadu, India. *Ethnobiology and Development in Asia, The Belt and Road Initiative, Volume 1.* **Springer Nature** Switzerland AG 2026; ISSN 2365-7553; ISBN 978-3-031-91944-2. <https://doi.org/10.1007/978-3-031-91945-9>

#### PAPERS PUBLISHED IN PROCEEDINGS

1. **Saradha, M.**, S. Paulsamy and G. Abinaya. Priority of ethnomedicinal plants and tribal people's knowledge on their conservation status of Karumalai, Namakkal District, Eastern Ghats of Tamilnadu. National Symposium on “Cultural landscapes, indigenous knowledge and biotechnological tools for biodiversity conservation” Organized by Departments of Botany, Zoology and Biotechnology, Kongunadu Arts and Science College, Coimbatore held on 7<sup>th</sup> and 8<sup>th</sup> March, 2014.
2. Abinaya, G. and S. Paulsamy, **Saradha, M.** Mosquito larvicidal activity of methanolic leaf extract of *Thalictrum javanicum* against the dengue vector *Aedes aegyptii* and human filariasis causing *Culex quinquesfasciatus*. National Symposium on “Cultural landscapes, indigenous knowledge and biotechnological tools for biodiversity conservation” Organized by Departments of Botany, Zoology and Biotechnology, Kongunadu Arts and Science College, Coimbatore held on 7<sup>th</sup> and 8<sup>th</sup> March, 2014.
3. **Saradha M.**, G. Divya Bharathi and P. Samydurai. Diversity and distribution of Orchid species in Eastern Ghats of Tamilnadu, India. 10<sup>th</sup> NABS National Conference on “Recent trends in Life Sciences: Research, Practices and Application for sustainable development” organized by the Department of Botany, Bharathiar University, Coimbatore held on 7<sup>th</sup> September, 2017.
4. Divya Bharathi, G., **M.Saradha** and S. Vishnu Kumar, Documentation of potential ornamental plant resources in north division of Nilgiris, Tamilnadu. 10<sup>th</sup> NABS National Conference on “Recent trends in Life Sciences: Research, Practices and Application for sustainable development” organized by the Department of Botany, Bharathiar University, Coimbatore held on 7<sup>th</sup> September, 2017.
5. Samydurai P, C. Rajasekar, A.Rajendran, S.Jeevith and **M. Saradha**. Threatened medicinal taxa in Nilgiris Biosphere Reserve, Western Ghats of Tamilnadu, India. 10<sup>th</sup> NABS National Conference on “Recent trends in Life Sciences: Research, Practices and Application for sustainable development” organized by the Department of Botany, Bharathiar University, Coimbatore held on 7<sup>th</sup> September, 2017.

6. Divya Bharathi G, **Saradha M**, Vishnukumar and P.Samydurai. Indigenous knowledge on medicinal plants used by the Kota tribes of Sholur area, Nilgiri District, Tamil Nadu. Nirmala Annual Research Congress NARC' 18 organised by Internal Quality Assurance Cell, Nirmala College for Women, Coimbatore held on 4<sup>th</sup> December 2018.
7. Divya R, **Saradha**, M and G.Divya Bharathi, 2019. Phytochemical evaluation of different extracts of leaf and tuberous root of *Decalepis nervosa* (Wight & Arn.) Venter. Nirmala Annual Research Congress, NARC' 19 organised by Internal Quality Assurance Cell, Nirmala College for Women, Coimbatore, held on 27<sup>th</sup> November 2019.
8. Madhumitha S. S. Kavimalar and M.**Saradha**. **2024**. Formulation of Bio-inoculants for enhancing the growth parameters and Nutrient absorption in *Cymbopogon citratus*. 9<sup>th</sup> Asian PGPR India Chapter National Conference Proceedings. Beneficial Microbes for Sustainable Agriculture. Organised by the Department of Botany, Bharathiar University, Coimbatore, held in July 2024.

#### **PRESENTATIONS IN CONFERENCE:**

##### **INTERNATIONAL:**

1. **Saradha, M** and P. Ravikumar, HPTLC Analysis of Eugenol and Solasodine. 3<sup>rd</sup> Indo-Korean Joint Seminar on Medicinal plant Research (IKMPR-2010). Sponsored by Department of Science and Technology organized by Department of Biochemistry, Biotechnology and Bioinformatics & Society of Biological Chemists (India), Coimbatore Branch, Avinashilingam University For Women, Coimbatore held on 23<sup>rd</sup> February 2010.
2. **Saradha, M** and P. Ravikumar, Phytochemical Determination of Vasicine in *Adhatoda vasica* Nees. International conference on Medicinal plants and herbal drugs: Challenges and Opportunities in Cultivation Sustainable Utilization and Conservation (**ICMPHD 2010**) Organized by post graduate & Research Department of Botany, Pachaiyappa's College, Chennai held on 4<sup>th</sup> to 6<sup>th</sup> March 2010.
3. **Saradha, M** and S. Paulsamy, Inhibitory effect of extracts of endangered medicinal plant, *Hildegardia populifolia* (Roxb.) Schott and Endl. (Sterculiaceae). International Conference on Blooming species: A prosperous terrain for Posterity, Funded by UGC, New Delhi Sponsored by Science city, Chennai. Organized by PG & Research Department of Botany, Vellalar College for Women Erode on 15<sup>th</sup> & 16<sup>th</sup> February 2012.
4. Likhina, T.P. S. Paulsamy and **Saradha, M**. *In vitro* callogenesis from internode explant of *Hildegardia populifolia*, an endangered medicinal tree species. International Conference on Blooming species: A prosperous terrain for Posterity, Funded by UGC, New Delhi Sponsored by Science city, Chennai. Organized by PG & Research Department of Botany, Vellalar College for Women Erode on 15<sup>th</sup> & 16<sup>th</sup> February 2012.
5. **Saradha, M** and S. Paulsamy. Evaluation of antioxidant activity of methanolic bark extract of *Hildegardia populifolia* (Roxb.) Schott and Endl. International conference on

- 'Conservation strategies for bioresources' sponsored by UGC, Dept of Biotech, CSIR and DRDO organized by Dept of Botany and Zoology, PSGR Krishnammal College for Women, Coimbatore on 5<sup>th</sup> and 6<sup>th</sup> February 2013.
6. Divya Bharathi, G and **M. Saradha**, Screening of Microbial Activity of *Boerhaavia diffusa*. "International Conference on Food, Energy and Water Microbiology" Organised by Department of Microbiology, Periyar University, Salem from December 21<sup>th</sup> to 23<sup>rd</sup> 2016.
  7. Divya Bharathi, G and **M. Saradha**, Wetland Flora of Coonoor, Tamil Nadu, India. International Conference on Converging Biotechnological Innovations in Environmental Welfare, Organised by the Department of Biotechnology, K.S.G College of Arts and Science Coimbatore held on 19<sup>th</sup> September 2016.
  8. Divya Bharathi, G and **M. Saradha**, Comparative evaluation of Antimicrobial efficacy of *Boerhavia sps*. International Conference on 'New Dimensions in Bioscience-ICNDB 2017' Organised by PG Research Department of Biotechnology and Microbiology, Hindustan College of Arts and Science, Coimbatore on 24<sup>th</sup> February 2017.
  9. **Saradha M** and Samyudurai P. Phytochemical screening and antimicrobial activity of *Andrographis alata* (Vahl) Nees. International Conference on Science and humanities for grooming the future: An interdisciplinary approach (ICSHI)-2018. Organized by College Development Council (CDC), Bharathiar University, Coimbatore on 7<sup>th</sup> to 9<sup>th</sup> February, 2018.
  10. Divya Bharathi G and **Saradha M**. Documentation of folkloric knowledge on medicinal plants used in Kallar, Nilgiri District, Tamilnadu. International Conference on Science and humanities for grooming the future: An interdisciplinary approach (ICSHI)-2018. Organized by College Development Council (CDC), Bharathiar University, Coimbatore on 7<sup>th</sup> to 9<sup>th</sup> February, 2018.
  11. Divya Bharathi G., S.Vishnu Kumar and **M. Saradha**. Documentation of Medicinal plants of Burliyar panchayat, Nilgiris District of Tamil Nadu used as primary healthcare system. International Conference on Phytomedicine. Organized by Department of Botany, Bharathiyar University on 29<sup>th</sup> -31<sup>th</sup> of August 2018.
  12. Divya BharathiG and **M. Saradha**. Documentation of Wetland plants from the Montana swamps of Nilgiris, Tamilnadu. International Conference on Current outlooks in Bioscience-2018 organised by the Department of botany, Government Arts College, Salem on 1<sup>st</sup> August 2018.
  13. Divya BharathiG and **M. Saradha**. Antioxidant effect of polyphenols from *Ficus guttata* fruit- a promising species of Moraceae. International video conference on emerging trends in Science and Social science, Organised by Institute for integrated medicine, Malaysia and V.H.N. Senthilumara Nadar College (Autonomous), Virudhunagar, India, held on 3<sup>rd</sup> and 4<sup>th</sup> may 2019 in Kuala Lumpur, Malaysia.
  14. Divya BharathiG and **M. Saradha**. Documentation of Wetland flora from the swamps of Coonoor, the Nilgiris. International conference on Innovation and emerging trends in Botany (ICETB-2019) organized by Department of Botany, Alagappa University, Karaikudi on 6<sup>th</sup> and 7<sup>th</sup> November 2019.
  15. **Saradha M**. Arivu Atram Kakkum Karuvi. International Conference Thirukkural Ulaga Nul. Organised by the Department of Botany, Nirmala College for Women, Coimbatore held on 25.01.2025.
  16. **Saradha M** and Kavimalar S. Computational Identification of potential phytochemicals from *Endostemon vscosus* Targetting MMP-9. UAE International

Conference on Multidisciplinary Research and Innovation (ICMRI-2025).organised by the SP Jain Dubai Campus, UAE, held on 21.4.2025 to 23.4.2025.

#### NATIONAL:

1. **Saradha, M** and P. Ravikumar, Standardization of some medicinal Plants Using Phytochemical Fingerprint and Biomarker. (Won second prize in Poster Presentation). National level seminar on Emerging trends in Plant Biotechnology, sponsored by UGC organized by Department of Botany, Government Arts College, Coimbatore held on 4<sup>th</sup> and 5<sup>th</sup> February 2010.
2. **Saradha, M** and P. Ravikumar, Phytochemical Analysis of *Curcuma longa* L. using HPTLC. National conference on Vaccine Biotechnology, organized in Department of Biotechnology, S.N.R Sons College, Coimbatore on 20<sup>th</sup> February 2010.
3. **Saradha, M** and P. Ravikumar, Phytochemical profile as a tool for Standardization of *Piper nigrum* L. National symposium on alternative medicine held at Department of Biotechnology, Karpagam University, Coimbatore on 1<sup>st</sup> and 2<sup>nd</sup> march 2010.
4. **Saradha, M** and S. Paulsamy. Conservation need for the critically endangered tree species *Hildegardia populifolia* (Roxb.) Schott & Endl. National seminar on Forest Bioresources management organized by Department of Life Sciences, PSGR Krishnammal College for women, Coimbatore held on 19<sup>th</sup> and 20<sup>th</sup> December 2011.
5. **Saradha, M** and S. Paulsamy. *In vitro* regeneration of the medicinal tree of Western Ghats *Hildegardia populifolia* (Roxb.) Schott & Endl. (Sterculiaceae) from leaf derived callus. National level Conference on 'Recent trends in Exploration, Achievement and Developments in Biological Sciences'. Sponsored by UGC, Department of Science and Technology, New Delhi, TNSCST, Chennai and Flora, organized by Chikkaiah Naicker College, Erode. 9<sup>th</sup> and 10<sup>th</sup> March 2012.
6. **Saradha, M** and S. Paulsamy. Clonal propagation an effective alternative propagation for an endangered medicinal tree species, *Hildegardia populifolia* (Roxb.) Schott & Endl. (Sterculiaceae), National seminar on Forest Health Management (FHM 2012) held at the Institute of Forest Genetics and Tree Breeding, Coimbatore on 21<sup>st</sup> & 22<sup>nd</sup> March 2012.
7. **Saradha, M** and S. Paulsamy. *Hildegardia populifolia*- A rare medicinal plant. Thamizhaga Arivial Peravai-Pannirendam Karutharangam, held at Periar Palgalaikazhagam and Sudhesi arivial eyakam on 23 – 25 August 2012.
8. **Saradha, M** and S. Paulsamy. Analgesic activity of *Hildegardia populifolia* (Roxb.) Schott & Endl. (Sterculiaceae). National Conference on 'Phytomedicine' organized by Department of Botany, School of Life Sciences, Bharathiar University, Coimbatore on 4<sup>th</sup> and 5<sup>th</sup> October 2012.
9. **Saradha, M.** Water conservation and its management. Forum held at Kongunadu Arts and Science College, Coimbatore on 27.09.2012.
10. **Saradha, M** and S. Paulsamy. Antioxidant activity and total phenolic content of leaf extract of *Hildegardia populifolia* (Roxb.) Schott & Endl. National conference on

'Medicinal Plants- Present scenario and future prospects - 2012' organized by Nirmala College for Women, Coimbatore on 6<sup>th</sup> & 7<sup>th</sup> December 2012.

11. **Saradha, M** and S. Paulsamy. *In vitro* antioxidant properties of leaf and root parts of *Lagascea mollis* Cav. (Asteraceae). Regional Science Congress on Science for shaping the future of India Jointly organized by Indian Science Congress Association, Coimbatore chapter and Kongunadu Arts and Science College, Coimbatore held on 15<sup>th</sup> & 16<sup>th</sup> December 2012.
12. Thenmozhi, T. **Saradha, M** and S. Paulsamy Free radical scavenging capacities of *Bauhinia tomentosa* L. and seed extracts. Regional Science Congress on Science for shaping the future of India Jointly organized by Indian Science Congress Association, Coimbatore chapter and Kongunadu Arts and Science College, Coimbatore held on 15<sup>th</sup> & 16<sup>th</sup> December 2012
13. **Saradha, M** and S. Paulsamy. *In vitro* propagation and mass multiplication of endemic medicinal plant, *Crotalaria clarkei* L. National conference on 'Biodiversity and Eco-Tourism' held at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 7<sup>th</sup> and 8<sup>th</sup> January 2013.
14. Abinaya, G. and S. Paulsamy, **Saradha, M**. Evaluation of antibacterial activity of leaf extracts of medicinal plant species *Thalictrum javanicum* Blume Ranunculaceae. National conference on 'Biodiversity and Eco-Tourism' held at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 7<sup>th</sup> and 8<sup>th</sup> January 2013.
15. **Saradha, M.**, S. Paulsamy and G. Abinaya. Evaluation of antifungal potential of leaf extracts of *Lagascea mollis* Cav. (Asteraceae). National conference on 'Innovative approaches in Biosciences' organized by Department of microbiology, Sri Narayana Guru College, Coimbatore on 15.2.2013.
16. Abinaya, G. and S. Paulsamy, **Saradha, M**. Antibacterial activity of leaf and stem extract of *Thalictrum javanicum* Blume. (Ranunculaceae) inhabiting the Nilgiris, Western Ghats, Tamil Nadu. National conference on 'Innovative approaches in Biosciences' organized by Department of microbiology, Sri Narayana Guru College, Coimbatore on 15.2.2013.
17. **Saradha M**, S. Paulsamy and G. Abinaya. 2013. Phytochemical investigation on *Lagascea mollis* Cav. (Asteraceae). National conference on "Role of Biotechnology in conservation of biodiversity". Organised by Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore held on 9<sup>th</sup> and 10<sup>th</sup> April 2013.
18. Abinaya, G. and S. Paulsamy, **Saradha, M**. *In vitro* antibacterial activity of root extract of *Thalictrum javanicum* Blume (Ranunculaceae) inhabiting the Nilgiris, Western Ghats, Tamil Nadu. National conference on "Role of Biotechnology in conservation of biodiversity". Organised by Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore held on 9<sup>th</sup> and 10<sup>th</sup> April 2013.

19. Thenmozhi, K. **Saradha, M.** Manian, S and Paulsamy, S. Antimicrobial activity of methanolic root extracts of *Emilia sonchifolia* (Linn.) DC. National conference on “Role of Biotechnology in conservation of biodiversity”. Organised by Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore held on 9<sup>th</sup> and 10<sup>th</sup> April 2013.
20. **Saradha, M.**, S. Paulsamy and G. Abinaya, Development of Synthetic seed from nodal explants of endemic plant species, *Crotalaria clorkei* Gamble. National Seminar on Tree Biotechnology 2013: Emerging opportunities in forestry and tree science held at Institute of Forest Genetics and Tree Breeding, Coimbatore on 23<sup>rd</sup> and 24<sup>th</sup> September 2013.
21. **Saradha, M.**, S. Paulsamy and G. Abinaya. Molecular docking studies for squalene screened from the endangered traditional medicinal plant species, *Hildegardia populifolia* (Roxb.) Schott & Endl. For antiinflammatory activity. National Conference on “Conservation and inventerization of below ground biodiversity” PG and Research Department of Zoology, Kongunadu Arts and Science College, Coimbatore held on 19 to 21<sup>st</sup> December 2013.
22. Abinaya, G. and S. Paulsamy, **Saradha, M.** Need of cultivation of the medicinal herb, *Thalictrum Javanicum* Blume. (Ranunculaceae) for below ground biomass. National Conference on “Conservation and inventerization of below ground biodiversity” PG and Research Department of Zoology, Kongunadu Arts and Science College, Coimbatore held on 19 to 21<sup>st</sup> December 2013.
23. **Saradha, M.**, S. Paulsamy and G. Abinaya. Ethnobotanical survey of medicinal plants used by Irula tribes in Palamalai hills, Coimbatore district, Tamil Nadu. National Seminar “On Socio-Economic Root Causes Of Biodiversity Loss” organized by Department of Botany, Sree Narayana College, Kannur, Kerala held on 24<sup>th</sup> and 25<sup>th</sup> January, 2014.
24. Abinaya, G. and S. Paulsamy, **Saradha, M.** *In vitro* propagation of the medicinal plant species *Thalictrum javanicum* Blume. National Seminar “On Socio-Economic Root Causes Of Biodiversity Loss” organized by Department of Botany, Sree Narayana College, Kannur, Kerala held on 24<sup>th</sup> and 25<sup>th</sup> January, 2014.
25. **Saradha, M.**, S. Paulsamy and G. Abinaya. Priority of ethnomedicinal plants and tribal people's knowledge on their conservation status of Karumalai, Namakkal District, Eastern Ghats of Tamilnadu. National Symposium on “Cultural landscapes, indigenous knowledge and biotechnological tools for biodiversity conservation” Organized by Departments of Botany, Zoology and Biotechnology, Kongunadu Arts and Science College, Coimbatore held on 7<sup>th</sup> and 8<sup>th</sup> March, 2014.
26. Abinaya, G. and S. Paulsamy, **Saradha, M.** Mosquito larvicidal activity of methanolic leaf extract of *Thalictrum javanicum* against the dengue vector *Aedes aegyptii* and human filariasis causing *Culex quinquesfasciatus*. National Symposium on “Cultural landscapes, indigenous knowledge and biotechnological tools for biodiversity

conservation” Organized by Departments of Botany, Zoology and Biotechnology, Kongunadu Arts and Science College, Coimbatore held on 7<sup>th</sup> and 8<sup>th</sup> March, 2014.

27. **Saradha. M.** Biotechnological approach for rapid multiplication of *Andrographis serpyllifolia* (Rohl.Ex.Vahl) Wright (Acanthaceae) from nodal explants. Organized by the Department of Botany, Vellalar College, Erode held on 23<sup>rd</sup> & 24<sup>th</sup> July, 2014.
28. Reshma A, **M. Saradha** and R. Mary Josephine. Antifungal activity of *Aloe vera* gel, Liliaceae. National conference on ‘Advances in Science and Technology’ organized by the Department of Botany, PSG Arts and Science College, Coimbatore held on 12<sup>th</sup> & 13<sup>th</sup> September, 2014.
29. Anitha, S, **M. Saradha** and R. Mary Josephine, Leafy vegetables and spices plants survey of home gardens of Coimbatore district. National conference on ‘Advances in Science and Technology’ organized by the Department of Botany, PSG Arts and Science College, Coimbatore held on 12<sup>th</sup> & 13<sup>th</sup> September, 2014.
30. Divya, K, **M. Saradha** and R. Mary Josephine. Survey of primary health care medicinal plants used by tribal people of Coimbatore district, Tamilnadu. National conference on ‘Advances in Science and Technology’ organized by the Department of Botany, PSG Arts and Science College, Coimbatore held on 12<sup>th</sup> & 13<sup>th</sup> September, 2014.
31. Divya Bharathi, G and **M. Saradha**. Presented paper on ‘Aquatic flora of Tiger Hill of Nilgiris, Tamil Nadu’ in Bioglaxia’15. Organised by department of Microbial Biotechnology, Bharathiyar University, Coimbatore on 18<sup>th</sup> December 2016.
32. Divya Bharathi, G and **M. Saradha**, Survey of Medicinally Important Plants of Kalvarayan Hills, Villupuram District, the Eastern Ghats, Tamil Nadu. 4<sup>TH</sup> Indian Biodiversity Congress, Organised in Pondicherry University, Puducherry held on 10<sup>th</sup> to 12<sup>th</sup> March 2017.
33. **Saradha M** and Divya Bharathi G. Biodiversity and medicinal plant conservation of medicinal plant Resources in Eastern Ghats of Tamilnadu. National Conference on Reaching the unreached through Science and Technology concepts, Principles & Application of Science and Technology for Nation Building organized by ISCA Kongunadu Arts and Science College, Coimbatore held on 9<sup>th</sup> to 11<sup>th</sup> October, 2017.
34. Divya Bhrathi G and **Saradha M**. Study of ornamental flora of Coonoor, Nilgiri District, Tamilnadu. National Conference on Reaching the unreached through Science and Technology concepts, Principles & Application of Science and Technology for Nation Building organized by ISCA Kongunadu Arts and Science College, Coimbatore held on 9<sup>th</sup> to 11<sup>th</sup> October, 2017.
35. Divya Bharathi, G. **M. Saradha** and S.Vishnu Kumar. Presented paper on *Comparative assessment preliminary phytochemical constituents, Total phenolics and antioxidant property of Piper nigrum leaf and stem*. In Futuristic Intricate Stratagems in Computational Genomics. Organized by Department of Bioinformatics on 24<sup>th</sup> and 25<sup>th</sup> January 2019 in Nirmala College for Women, Coimbatore.

36. Divya Bharathi, G. M. **Saradha**, S.Vishnu Kumar and P. Samydurai. Presented paper on Documentation of Wild Orchids from the Grasslands and Sholas of Sholur, Nilgiris District, Tamil Nadu. In Bioprospecting and Biodiversity for agriculture and Medicine Current status and future prospective BBAM-19. Organised by Department of Botany, Bharathiar University on 3<sup>rd</sup> and 4<sup>th</sup> October 2019.
37. Kavimalar S and **M.Saradha**. Antimicrobial potential of *Tylophora indica* – A promising medicinal plant one day National conference on ‘Current Scenario in plant Science’ Sponsored by DST –CUIRE organized by the Department of Botany, Avinashilngam Institute for Home Science and Higher Education for Women, Coimbatore on 18.12.2019.
38. Mangala N and **M. Saradha**. Phytochemical Screening and antibacterial potential of *Hemidesmus indicus*. one day National conference on ‘Current Scenario in plant Science’ Sponsored by DST –CUIRE organized by the Department of Botany, Avinashilngam Institute for Home Science and Higher Education for Women, Coimbatore on 18.12.2019.
39. **Saradha** M and S. Paulsamy, 2020. Ethnomedicinal plants diversity in Kadambur hills, Sathyamangalam Tiger Reserve, Eastern Ghats of Tamilnadu, India. National Conference on “Empowerment of Rural communities through innovations in science and technology” sponsored by Indian Science Congress (ISCA), Kolkata organized by ISCA, Coimbatore chapter.
40. Divya Bharathi G, M. **Saradha** and AS Madhu Monisha, 2020. Phytochemical screening and antioxidant potential of *Embelia ribes* – A promising species of Primulaceae. National Conference on “Empowerment of Rural communities through innovations in science and technology” sponsored by Indian Science Congress (ISCA), Kolkata organized by ISCA, Coimbatore chapter.
41. **M.Saradha** 2022. Mushroom cultivation – A good profitable business. A Seminar on Innovation & Idea Generation on Entrepreneur Skill, Attittude & Behaviour Development. Organised by Institution Innovation Council, Nirmala College for Women on 21.01.2022.
42. Vennila S, K.Paneerselvam and **M.Saradha**, 2023. Documentation of traditional knowledge of Irula tribe from Ariyalur District, Tamilnadu with special reference to the edible and nutritional rich plants. National conference on New horizons in Biological Science Research. Organised by Avinashilingam Institute for Home Science and Higher Education for Women.
43. Kavimalar S and **M.Saradha**, 2023. Assessment of periodicity and level of infestation of pests in various seedlings of tree species. National level conference on Scientific input, technological advancement and women empowerment for sustainable development. Organised by Indian Science Congress Association (ISCA), Coimbatore Chapter and Kongunadu Arts and Science College, Coimbatore sponsored by ISCA held on 2-3 February 2023.

44. Vennila S, **M.Saradha** and K Paneerselvam, 2023. Documentation of ethnomedicinal value of *Aloe vera* Linn. Used by the Irular tribe of Ariyalur District, Tamilnadu. National level conference on Scientific input, technological advancement and women empowerment for sustainable development. Organised by Indian Science Congress Association (ISCA), Coimbatore Chapter and Kongunadu Arts and Science College, Coimbatore sponsored by ISCA held on 2-3 February 2023.
45. Kavimalar S and **M.Saradha** 2023. Documentation of wild aromatic medicinal plants in Nelliampathy hills, Palakad District, Kerala. National conference on Exploring the new horizons of Phytotherapy innovation to Entrepreneurship “(NCPI 2023)” organized by PSG College of Pharmacy, Peelamedu, Coimbatore held on June 23-24 2023.
46. Vennila S, and **M.Saradha**. 2026. Documentation of ethnomedicinal plants used by local communities in Manjoor, the Nilgiris, Tamilnadu. National Seminar on Contemporary issues and emerging challenges in Biological Sciences and Conservation organised by the Department of Botany, The Madura College, Madurai held on 05.03.2026. ISBN : 978-81-986080-4-8.
47. Angel Beaula V and **M.Saradha** 2026. Comparative Phytochemical Profiling of Leaf and Bark of *Rauvolfia verticillata* (Lour.) Baill. National Seminar on Contemporary issues and emerging challenges in Biological Sciences and Conservation organised by the Department of Botany, The Madura College, Madurai held on 05.03.2026. ISBN: 978-81-986080-4-8.
48. Madhumitha S and **M.Saradha**, 2026. Unveiling the pharmacological promise of *Murdannia* species: an *In silico* Approach. National Seminar on Contemporary issues and emerging challenges in Biological Sciences and Conservation organised by the Department of Botany, The Madura College, Madurai held on 05.03.2026. ISBN: 978-81-986080-4-8.
49. Rubina S, Archana K, Gayathri M and **M.Saradha**. 2026. Documentation and phytochemical screening of medicinal plants for diabetes and wound management. National Seminar on Contemporary issues and emerging challenges in Biological Sciences and Conservation organised by the Department of Botany, The Madura College, Madurai held on 05.03.2026. ISBN: 978-81-986080-4-8.
50. Kavimalar S and **M.Saradha**. 2026. The role of Artificial Intelligence (AI) in modern plant research from species identification to conservation. National Seminar on Contemporary issues and emerging challenges in Biological Sciences and Conservation organised by the Department of Botany, The Madura College, Madurai held on 05.03.2026. ISBN: 978-81-986080-4-8.

#### **PARTICIPATION IN WORKSHOPS:**

1. Work shop on ‘Recent trends in plant Sciences’ held in the Department of Botany, School of life Sciences, Bharathiar University, Coimbatore during 8<sup>th</sup> – 10<sup>th</sup> February, 2011.
2. National workshop on ‘Intellectual Property Rights-opportunities, Issues and Challenges’, organized by Department of Botany, Bharathiar university, Coimbatore on 11<sup>th</sup> & 12<sup>th</sup> August 2011.

3. Workshop on 'Man and Medicinal plants', organized by Department of Botany, Bharathiar University, Coimbatore on 23<sup>rd</sup> & 24<sup>th</sup> February 2012.
4. Medicinal Mushroom Cultivation training Programme held in Department of Biochemistry, Kongunadu Arts and Science College, Coimbatore on 15<sup>th</sup> April 2013.
5. National workshop on "Recent advances in aquatic research" organized by Dr. M.Aruchami Research Foundation and PG & Research Department of Zoology, Kongunadu Arts and Science College, Coimbatore held on 12<sup>th</sup> December, 2013.
6. National workshop on "Floristic documentation and Herbarium technology – tools for species conservation" organized by PG and Research Department of Botany, Kongunadu Arts and Science College, Coimbatore held on 7<sup>th</sup> January, 2014.
7. Training programme on "Plant Taxonomy" held from 23.2.15 to 25.2.15 organized by the IFGTB and sponsored by Ministry of Environmental Science.
8. Attended Faculty Development Programme on "Effective elements of classroom teaching" organized by the Department of Biotechnology and Microbiology of Hindustan College of Arts and Science College held on 21<sup>st</sup> August, 2015.
9. Attended two days Science Academies Lecture workshop on "Prospects of Bioscience" Department of Biotechnology and Microbiology of Hindustan College of Arts and Science College held on 23<sup>rd</sup> and 24<sup>th</sup> August, 2016.
10. International FDP on Biological Sciences organized by PG and Research Department of Botany, Nallamuthu Gounder Mahalingam College, Pollachi from 25<sup>th</sup> to 31<sup>st</sup> May 2020.
11. One week FDP workshop on e-Content Skill Development under DBT Scheme organized by the Department of Mathematics, Coimbatore held from 14 to 19 June 2021.
12. IIC regional meet held on 08.08.2022 at PSNA College of Engineering and Technology, Dindigul.
13. Attended three days training programme on "Biofertilizers and Biocontrol agents in Forestry" from 18-20 December, 2019 at Institute of Forest Genetics and Tree Breeding, Coimbatore-2.
14. 3 days FDP organized by the Programme Monitoring Office – Innovation & Entrepreneurship Development Programme from 19.09.2022 to 21.09.2022 at Bharathiar University, Coimbatore.
15. 3 day FDP On Idea Generation Methods conducted by ICT Academy on 23 – 25 November 2022 at Jansons Institute of Technology, Coimbatore.
16. Attended 5 days FDP on Education 5.0 from 15.05.2023 to 19.05.2023 organized by the department of Information Technology in Association with Academic Staff College, Dr.MGR. Educational and Research Institute, Chennai – 95.

17. DST sponsored three weeks online Women Entrepreneurship development Programme (WEDP) held at Nehru group of Institutions technology business incubator from 05.06.2023 to 24.06.2023.

**PARTICIPATION IN ORIENTATION PROGRAMME/ INDUCTION PROGRAMME/ SHORT TERM COURSES:**

1. Participated Orientation course conducted by UGC-Human Resource Development Centre, Bharathiar University, Coimbatore held from 17.05.2018 to 13.06.2018 and obtained 'A' grade.
2. Participated online Refresher course in Botany conducted by UGC-Human Resource Development Centre, University of Madras, Chennai held from 07.10.2020 to 20.10.2020 and obtained 'A+' grade.
3. Participated online Refresher course in Biological Sciences conducted by UGC-Human Resource Development Centre, Bharathiar University, Coimbatore held from 10.11.2021 to 23.11.2021 and obtained 'A+' grade.
4. Participated online Refresher course in Botany conducted by Teaching learning Centre, Ramanujan College, University of Delhi held from 29.07.2023 to 13.08.2023 and obtained 'A' grade.
5. Participated online Refresher course in Biological Sciences conducted by UGC-Human Resource Development Centre, Bharathiar University, Coimbatore held from 05.11.2025 to 18.11.2025 and obtained 'A+' grade.
6. Completed SWAYAM – NPTEL online certification course cum Faculty Development Programme on 'Forests and their management' funded by Ministry of HRDC, Government of India.
7. Completed SWAYAM – NPTEL online certification course on Plant Biochemistry and Plant Biotechnology funded by Ministry of HRDC, Government of India offered by Dr.K. Sanataombi of Manipur University, Imphal.
8. Two week MOOC workshop for College Teachers on Management of Environment and its Resources jointly conducted by Department of Chemistry & Research, nasamony Memorial Christian College, Marthandam and Department of Chemisrty & Research, St.Xavier's College, Palayamkottai, Tirunelveli from 19<sup>th</sup> May to 1<sup>st</sup> June 2020.

**CONFERENCE/ SEMINAR/ WORKSHOP ORGANIZED:**

1. Organized FDP on "Challenges and Opportunities in Research" dated 23<sup>rd</sup> & 24<sup>th</sup> May 2020.
2. Organized Quiz competition on "Plant Diversity" dated 15<sup>th</sup> June 2020.

3. Organized pencil sketching competition on “Save our Earth” dated 17<sup>th</sup> to 20<sup>th</sup> May 2021.
4. Organized webinar on “Awareness about Startup and related ecosystem- Bio-entrepreneurship” dated 31<sup>st</sup> May 2021.
5. Organised a seminar on “Basic and Applied research for national development” sponsored by Indian Science Congress Association, Coimbatore chapter, held on 31.03.2023.

**INVITED SPEAKER/ SESSION CHAIR- CONFERENCE/ SEMINAR/ WORKSHOP:**

1. Phytochemistry and its significance” seminar on Career opportunities in Botany organized by PG & Research Department of Botany, Vivekanandha College of Arts and Sciences for Women, Namakkal held on July 15 &16 2020.
2. “From your Ph.D/Masters thesis to a start-up” guest lecture organized by PG & Research Department of Botany, Vivekanandha College of Arts and Sciences for Women, Namakkal held on 30<sup>th</sup> August 2021.
3. “Why do we need to protect our environment?” webinar organized by the Department of Science and humanities, Hindusthan Institute of Technology, Coimbatore held on 28.10 2021.
4. “Problem solving and Ideation” workshop organized by the Department of Botany and Institution Innovation Council 6.0, Nirmala College for Women, Coimbatore held on 29.11.2023.
5. Plant Kingdom, organised by the Department of Botany, LRG Govt.Arts College for Women, Tiruppur, held on 03.01.2024.
6. Status and Strategies of medicinal plant conservation in the Western Ghats, Tamilandu, organized by the Department of Botany, NKR Govt. Arts College for Women, Namakkal held on 06.09.2024.
7. Phytochemistry -Future Perspectives and opportunities organized by the Department of Botany, Gobi Arts and Science College, Gobichettiplalayam held on 31.12.2024.
8. From Idea to impact: Entrepreneurial Workshop organized by the Department of Botany and Institution Innovation Council 8.0, Nirmala College for Women, Coimbatore held on 17.10.2025.
9. Sensitization Programme on Startup , Innovation hub and Entrepreneurship Development (IIC Activities) organised by IQAC of Sri G.V.G. Vishalakshi College for Women, Udumalpet on 13.02.2026.

**MEMBER IN BOARD OF STUDIES:**

1. Gobi Arts and Science College (Autonomous), Gobichettipalayam from 2026-2028.

**EDITORIAL/ REVIEW BOARD MEMBER:**

1. International journal of biology and biotechnological research
2. Journal of ethnobotany and traditional practices

**AWARDS AND MEMBERSHIP IN PROFESSIONAL BODIES:**

1. Research Innovation Award” from SP Jain University Dubai, 2025
2. Thirukkural Ulaga Nul Aivu Peroli Virudhu by Ulaga Thirukkural Maiyam and World Book of Records, 2025.
3. “Bharathi Kanda Pudhumai pen” Award from Gobi Arts and Science College, Gobichettipalayam 2023.
4. “Women Researcher” Award in the International Scientist Awards on Engineering, Science and Medicine held on 10 & 11 September 2021, Coimbatore organized by VDGGOOD Professional Association.
5. Best Women Faculty Award from Nature Science Foundation, Coimbatore for the year 2017-2018.
6. Life member in Indian Science Congress Association Kolkata, India.
7. Life member in Nature Science Foundation, Coimbatore.
8. Rajiv Gandhi National Fellowship Scheme for SC/ST 2008-09, UGC, New Delhi.
9. Tamil Nadu State Government stipend to full-time Ph.D scholars scheme during 2011-2013.