

STAFF PROFILE

- 1) Name : Dr.A.Suganthi
 2) Designation :Assistant Professor
 3) Department : Botany
 4) Qualification : M.Sc.,M.Phil., Ph.D
 5) Experience : Teaching : 7 years Research : 7 years
 6) Area of Specialization (s) : Biochemistry and Phytochemistry
 7) E-mail : suganthijrf@gmail.com
 8) Academic Qualifications : M.Sc.,M.Phil., Ph.D
 9) Additional Qualifications : Nil

Diploma/ Vocational/ Certification	Area of Spealization	Institution/ University/ Agency Name	Year
Training course on Rust fungi insect weed management	Entomology	Institute of Forest Genetics and Tree Breeding	2010

10) Grants Received

Event Title	Agency	Amount	Date
-	-	-	-

11) Projects

Completed

Project Title	Agency	Amount	Duration
-	-	-	-

Ongoing

Project Title	Agency	Amount	Duration
-	-	-	-

12) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	-
M. Phil.	-	-

13) Research Publications

International

1. Pavithra D and **Suganthi A** . Medicinal plants survey on the paniya kurumaba and thoda tribes in Nilgiri hills Tamil Nadu India. *World Journal of Pharmaceutical Research* (2019) 8(5): 785-804.
2. Laya Saju and Suganthi **A** . Comparative study on litter decomposition, chemical and physical parameters of different tree canopy soil. *World Journal of Pharmaceutical Research* (2019) 8(5): 1304-1312.
3. Ashna c and **Suganthi A**. Evaluation of phytochemical analysis and antimicrobial activity of *Phyllanthus emblica* (l.) fruit pulp. *World journal of Pharmaceutical Research* (2019) 8 (5): 1381 - 1391
4. Anjana K and **Suganthi A**. Study on the cytogenetic effect of panchagavya and urea in *Allium cepa* (l.) Root tip mitosis. *World Journal of Pharmaceutical Research* (2019) 8 (5): 1099-1110.
5. Aathira E. P and A. **Suganthi**. Phytochemical analysis and Anti-head lice activity of *Azadirachta indica* (A.Juss) and *Aegle marmelos* (corr.) (leaves). *World Journal of Pharmaceutical Research* (2019) 8 (5): 1370-1380.
6. Sruthi NS and **Suganthi A** . Cultivation, Harvesting and Processing to Produce Top Quality Coffee in *Coffea Robusta* L. Linden And Their Value Added Products-A Review. *Am. J. PharmTech Res.* (2019) 9(02): 147 – 158.
7. **Suganthi A** 2018. Anti Diabetic Overview. *Current Research in Diabetes and Obesity Journal* (2019) 7(4):1 -2.

8. **Suganthi A** and R. Mary Josephine. Quantification of mineral elements, vitamins and identification of Betacarotenoid in HPLC of *Mukia maderaspatana* (L.) M.Roem fruits. *International Journal of Pharmaceutical Sciences Review and Research* (Accepted).
9. **Suganthi A** and R. Mary Josephine. *Invitro* cytotoxicity of *Mukia maderaspatana* (L.) M.Roem. fruit methanol extract against MCF 7 human breast cancer cell line and quantification of betacarotenoid in HPLC. *Am.J.Pharma. Tech. Res.* (2018) 7(6): 85-93.
10. **Suganthi A** and R. Mary Josephine. *Invitro* cytotoxicity and anthocyanin studies on *Pithecellobium dulce* (roxb.) benth (fruits) against MCF 7 cell lines. *International Journal of Pharma and Biosciences* (2018) 9 (1):111-115.
11. **Suganthi.A** and R. Mary Josephine . Evaluating the chemical analysis profile of some lesser known edible fruits. *Indo American Journal of Pharmaceutical Sciences* (2018) 5 (2) : 815 – 820.
12. Amrutha Jayakumar and **A.Suganthi**. Biochemical and Phytochemical analysis of *Maranta arundinaceae* (L.) rhizome. *International Journal of Research in Pharmacy and Pharmaceutical Science* (2017). 2(3): 26 -30.
13. Ranjitha S and **A.Suganthi**. Preliminary Phytochemical analysis of *Galinsoga parviflora* (Cav) leaves. *International Journal of Research in Pharmacy and Pharmaceutical Science* (2017) 2(3): 18 - 20.
14. **Suganthi A** and R. Mary Josephine. Mineral Composition of ripe and unripe selected edible fruits. *International Journal of Nutrition and Agricultural Research* (2017) 4(1):43 – 46.
15. Krishnapriya TV and **A.Suganthi**. Biochemical and Phytochemical analysis of *Colocasia esculenta* (L.) Schott tuber. *International Journal of research in Pharmacy and Pharmaceutical Science* (2017) 2(3): 21 -25.
16. **Suganthi A** and R. Mary Josephine. Nutritional and Mineral Composition of *Solanum trilobatum* (L.). *International Journal of Current Research* (2017) 9 (6): 51744 – 51746.
17. **Suganthi A** and R. Mary Josephine. Comparison of Nutrient and Mineral Composition of Ripe and Unripe Fruits of *Mukia maderaspatana* (L.) M.Roem. *Indian Journal of Nutrition and Dietetics* (2017) 54(4): 458 – 464.
18. **Suganthi.A** and Mary Josephine R *Nephelium Lappaceum* (L.): An overview. *International Journal of Pharmaceutical Science and Research* (2016). 1 (5):36 - 39.

19. Jenymol PA and **Suganthi, A** . Ethnobotanical survey on medicinal plants used by tribal People in Attappady, Kerala. *International Journal of Pharmaceutical and research* (2016) 2(1): 17-23.

20. **Suganthi, A** and Jenymol. Ethnobotanical Survey on medicinal plants used by Tribal People In Attappady, Kerala. *International Journal of Institutional Pharmacy and Life Sciences* (2016) 6(6): 20 -26.

21. **Suganthi, A** and Fathima Nacchair. Quality Parameters of Different Varieties of Paddy Rice Grown In Vadakkanchery, Kerala. *International Journal of Advances in Pharmacy, Biology and Chemistry* (2015) 4(2): 405 -408.

22. Kannan C.S. Warriar and **A.Suganthi** . Water culture in *Casuarina equisetifolia* for mass clonal propagation. *International Journal of Current Research* (2015) 7(7): 18189 -18192.

23. **Suganthi, A** and Tamilarasi A. Comparative studies on phytochemical studies on *Basella alba* (L). *World Journal of Pharmacy and Pharmaceutical Research* (2015) 4(10): 1089-1098.

24. **Suganthi, A** and Deepna Jayanandhan. Effect of Tea compost on the growth of *Vigna radiate* (L.) R.Wilczek. *International Journal of Applied Research* (2015) 1(12): 968-972.

25. Kannan C.S. Warriar, **A.Suganthi** and B.Gurudev Singh. A new record of abnormal phylloclade modification in *Casuarina equisetifolia*. *International Journal of Agricultural Science Research* (2013) 2(1): 008 -011.

26. **Suganthi, A** and S.Poornima *In vitro* plantlet regeneration from internode explants of *Kedrostis foetidissima* (Jacq) Cogn – An Important rare anticancer medicinal climber. *International Journal of Innovative Pharmaceutical Sciences and Research* (2014) 2(4): 802 - 811.

National

1. **Suganthi, A** and Libina S). Survey of medicinal and anticancer plants from Vengad Sree Kurumba Kavu Sacred Grove, Kannur Kerala. *Journal of Medicinal Plants Studies* (2015) 3(6): 46-50.

2. **Suganthi A** and Jinisha C. Comparative studies on analysis of *Syzygium cumini* (L.) seed – wild and hybrid .Nirmala Annual Research Congress (2019) . 248 – 251.

14) Other Publications

1.Kannan C.S.Warrier, **Suganthi A** and Gurudev Singh B (2014).GX E interaction in clones of *Casuarina equisetifolia*. Casuarina Improvement for security rural livelihoods. Proceeding of the fifth International Workshop, Chennai, Tamil Nadu, India 3 – 7 February 2014.

2.Kannan C.S.Warrier, **Suganthi A** and Gurudev Singh B. Genetic divergence in select clones of *Casuarina Equisetifolia*. IUFRO Forest Tree Breeding Conference organized by Prague, Czech Republic held on 25 – 29 August 2014.

15) Book Publications -

16) Consultancy

Nature of Consultancy	Client	Amount	Completion Status
-	-	-	-

17) Presentations in Conference

International

1.Kannan C.S.Warrier, **Suganthi A** and Gurudev Singh B (2014). Genetic divergence in select clones of *Casuarina Equisetifolia*. IUFRO Forest Tree Breeding Conference organized by Prague, Czech Republic held on 25 – 29 August 2014.

2.**Suganthi.A** and S.Poornima . A Rare Anticancer Medicinal Climber Through Internode and Indirect Organogenesis in the International conference on converging Biotechnological innovations in environmental welfare organized by the KSG College of Arts and Science, Department of Biotechnology in collaboration with the organization for industrial , spiritual and cultural Advancement (OISCA) Japan held on 22 November 2016

3.**Suganthi.A** and R.Mary Josephine (2017). Assessment of Nutritional,phytochemical and mineral composition of edible wild *Solanum trilobatum* (L.) fruits. International Conference BIOSUMMIT organized by the Hindustan College of Arts and Science held on 22 February 2017

4. **Suganthi A** and R. Mary Josephine (2019). Anticancer potential and GCMS analysis of methanolic fruit extract of *Pithecellobium dulce* (roxb.) Benth against human breast cancer cell line MCF – 7. International Conference on Emerging Trends in Science and Social Science organized by Institute For Integrated Regenerative medicine Malayasia and V.H.N. Senthilkumar Nadar College (May 3 – 4) , 2019 in Kuala Lumpur, Malayasia.

National

1. Kannan C.S Warriar, **A.Suganthi** and S.P.Subramani (2011). Genetic variability in clones of *Casuarina equisetifolia*. 2nd National Seminar on Casuarinas organized by Institute of Forest Genetics and Tree Breeding, Coimbatore.

2. Kannan C.S Warriar, **Suganthi A** and B.Gurudev Singh (2011). Cloning techniques for enhancing growth rate in *Casuarina equisetifolia* L. 2nd National Seminar on Casuarinas organised by Institute of Forest Genetics and Tree Breeding, Coimbatore.

3. Kannan C.S Warriar, **Suganthi A**, S.P.Subramani and B.Gurudev Singh (2012). Clones of *Casuarina equisetifolia* for improving soil health in salt affected areas. National Seminar on Forest Health Management supported by DBT & DST organised by Institute of Forest Genetics and Tree Breeding, Coimbatore.

4. Praveena C.K and **Suganthi A** (2014). Survey of medicinal plants from Nemmara, Palakkad district, Kerala. National symposium on cultural landscapes, indigenous knowledge and biodiversity conservation sponsored by UGC, DST, NBA and TNSCT organised by Kongunadu Arts and Science College, Coimbatore.

5. Anju K and **Suganthi A** (2014). Survey of medicinal plants from Nemmara, Palakkad district, Kerala. National symposium on cultural landscapes, indigenous knowledge and biodiversity conservation sponsored by UGC, DST, NBA and TNSCT organised by Kongunadu Arts and Science College, Coimbatore.

6. Megha Mohan and **Suganthi A** (2014). Studies on organic and inorganic rice production. National symposium on cultural landscapes, indigenous knowledge and biodiversity conservation sponsored by UGC, DST, NBA and TNSCT organised by Kongunadu Arts and Science College, Coimbatore.

7. Fathima Nachiyar and **Suganthi A** (2014). Quality parameters of different varieties of paddy grown in Palakkad district (Nemmara) Kerala. National symposium on cultural landscapes, indigenous knowledge and biodiversity conservation sponsored by UGC, DST, NBA and TNSCT organised by Kongunadu arts and science college, Coimbatore.
8. Dhanya A, Greeshma M, Rini B, **Suganthi A**, Prathyusha P and Melchi Leebana D (2014). Climatic changes and Biodiversity in India. Third Indian Biodiversity Congress (IBC) organised by SRM University, Chennai.
9. Suganthi. A, Mary Josephine R and Sivashankari. S (2019). GC- MS and Molecular docking studies of *Pithecellobium dulce* (Roxb.) Benth methanolic fruit extract as a potent anticancer. Proceeding of the National conference on Futuristic Intricate Stratagems in computational genomics CGEN2019 on 24th and 25th January 2019 Sponsored by Department of Biotechnology New Delhi organized by Department of Botany and Bioinformatics, Nirmala College for Women Red Fields Coimbatore - 18.
10. Suganthi A and Jisnisha C (2019). Comparative studies on analysis of *Syzygium cumini* (L.) seed – wild and hybrid . Proceeding of Nirmala Annual Research Congress organized by Internal Quality Assurance Cell, Nirmala College for Women Red Fields Coimbatore - 18.
11. Ruthiemimal R and Suganthi A (2020). *In vitro* anticancer studies and antibacterial potentials of the Fenugreek (*Trigonella foenum – graecum* L.) Leaves. One day national seminar on Recent Scenario in Phytochemical and Pharmacological application organized by the Department of Botany, Bharathiar University , Coimbatore.
12. Jenifer . B and Suganthi A (2020). Effects of some preservative solution of vase life and keeping quality on carnation and Gerbera. One day national seminar on Recent Scenario in Phytochemical and Pharmacological application organized by the Department of Botany, Bharathiar University , Coimbatore.
13. Amrutha Naryana and Suganthi A (2020). Post harvest shelf life and Quality control using Neem leaf powder on *Psidium guajava* L. and *Manilkara Zapota* L. One day national seminar on Recent Scenario in Phytochemical and Pharmacological application organized by the Department of Botany, Bharathiar University , Coimbatore.

14. Athira A.V and Suganthi A (2020). A Preliminary phytochemical Screening of *Acmella ciliate*. One day national seminar on Recent Scenario in Phytochemical and Pharmacological application organized by the Department of Botany, Bharathiar University, Coimbatore.

15. Anila .S and Suganthi A (2020). A Preliminary Phytochemical Screening of *Caryota urens* L. leaf and unripen fruit. One day national seminar on Recent Scenario in Phytochemical and Pharmacological application organized by the Department of Botany, Bharathiar University, Coimbatore

18) Participation in Conference

1. International Conference BIOSUMMIT organized by the Hindustan College of Arts and Science held on 22 February 2017.
2. International conference on converging Biotechnological innovations in environmental welfare organized by the KSG College of Arts and Science, Department of Biotechnology in collaboration with the organization for industrial, spiritual and cultural Advancement (OISCA) Japan held on 22 November 2016.
3. International conference on converging Biotechnological Innovations in Environmental Welfare organized by the KSG College of Arts and Science, Department of Biotechnology in collaboration with the organization for industrial, spiritual and cultural Advancement (OISCA) Japan held on 19th September 2016.
4. IUFRO Forest Tree Breeding Conference organized by Prague, Czech Republic held on 25 – 29 August 2014.

19) Participation in Seminar

1. National Seminar on Tropical Ecosystem: Structure, Function and Services at Institute of Forest Genetics and Tree Breeding Co –sponsored by DBT and DST (Minister of Science & Technology) on 28 -29 December 2010.

2.2nd National Seminar on *Casuarinas* organized by Institute of Forest Genetics and Tree Breeding, Coimbatore on 3 – 4 March 2011.

3. International Day for Biological Diversity conducted at the Institute of Forest Genetics and Tree Breeding on May 2011.

4. National Seminar on Current Scenario in Botanical Research, Organized by the Department of Botany, Bharathiar University, Coimbatore on 13th December, 2013.

5. One day Seminar on Fruits and Vegetable – Processing and Preservation organized by the Department of Botany, Nirmala College for Women, Coimbatore on 10th February 2015.

6. Faculty Development Programme on Environment Audit of Infrastructure, Extension Activity and Institution Social Responsibility organized by IQAC, Nirmala College for Women, Coimbatore.

7. One day seminar on Recent trends in Applied Plant Sciences organized by the PG and Research Department of Botany, Nirmala College for Women on 8th February 2017 sponsored by UGC Autonomous fund .

20) Participation in Workshop

1. Participated in NPTEL workshop organized by National programme on technology enhanced learning (IIT Madras) conducted on 31st August 2013.

2. Two day's workshop on Biopesticide and Organic Manure Production organized by the Department of Botany , Nirmala College for Women, Coimbatore on 5th and 6th December 2013.

3. Two days workshop on Phyto and Molecular techniques 26th and 27th August 2014 jointly organized by the Department of Botany, Nirmala College for Women (DBT STAR college scheme) and Denovo scientific, Coimbatore

4. Two days Science Academies lecture workshop on Development and Molecular Biology organised by the Department of Botany, PSGR Krishnammal College for Women on 2nd and 3rd February 2017.

5. Two days Science Academies lecture workshop on Glimpses of Plant Science organised by the PG and Research Department of Botany, Nirmala College for Women on 2nd and 3rd February 2017.

21) Participation in Orientation Programme/ Induction Programme/ Short term Courses

1. Two days training course on Rust fungi insect weed management conducted at the Institute of Forest Genetics and Tree Breeding on 4th – 5th January 2010

22) Participation in Faculty Development Programme

1. Faculty Development Programme on “Statistical Analysis using SPSS” on 14th December 2018 sponsored by DBT Star College Scheme, New Delhi organized by Department of Botany, Nirmala College for Women, Coimbatore.

2. Faculty Development Programme on Innovative Teaching Strategies organized by Curriculum Development Cell, Nirmala College for Women, Coimbatore on 30th October 2019.

3. Faculty Development Programme on Environment Audit of Infrastructure, Extension Activity and Institution Social Responsibility organized by IQAC, Nirmala College for Women, Coimbatore.

23) Conference/ Seminar/ Workshop Organized- Nil

24) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop - Nil

25) Member in Board of Study Nil

26) Editorial/ Review Board Member

27) Membership in Professional Bodies

Name of Professional Body	Nature of Membership	Duration
-	-	-