

STAFF PROFILE

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

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
Swayam	Forest and their Management	NPTEL Online Certification	Jan – April 2021

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

Nidha K K A **Suganthi**, Vyshna. T, Fathima Najiya P, Archana Amreth M K 2021. Ethnobotanical survey of wild plants in Kanakamala, Kannur district, Kerala. *International Journal of All Research Education & Scientific Methods*, 9 (3): 2021 -2035

Archana Amreth M K, A **Suganthi**, Fathima Najiya P, Vyshna T, Nidha K K 2021. Ethnobotanical Survey of Medicinal Plants from Vaniyambalam, Malappuram District, Kerala. *International Journal for Research in Applied Science & Engineering Technology* 9(3) : 958-966

Pavithra D and **Suganthi A** 2019. Medicinal plants survey on the paniya kurumaba and thoda tribes in Nilgiri hills Tamil Nadu India. *World Journal of Pharmaceutical Research* 8(5): 785-804.

Laya Saju and **Suganthi A** 2019. Comparative study on litter decomposition, chemical and physical parameters of different tree canopy soil. *World Journal of Pharmaceutical Research* 8(5): 1304-1312.

Ashna C and **Suganthi A** 2019. Evaluation of phytochemical analysis and antimicrobial activity of *phyllanthus emblica* (L.) fruit pulp. *World Journal of Pharmaceutical Research* 8 (5): 1381 - 1391

Anjana K and **Suganthi A** 2019. Study on the cytogenetic effect of panchagavya and urea in *Allium cepa* (L.) Root tip mitosis. *World Journal of pharmaceutical research* 8 (5): 1099-1110.

Aathira E. P and **Suganthi A** 2019. Phytochemical analysis and Anti-head lice activity of *Azadirachta indica* (a.juss) and *Aegle marmelos* (corr.) (leaves). *World Journal of Pharmaceutical Research* 8 (5): 1370-1380.

Sruthi NS and **Suganthi A** 2019. 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.* 9(02): 147 – 158.

Suganthi A and R.Mary Josephine, 2018. Invitro cytotoxicity and anthocyanin studies on *Pithecellobium dulce* (roxb.) benth (fruits) against MCF 7 cell lines. *International Journal of Pharma and Biosciences. Int. J. Pharm. Bio. Sci.* 9 (1):111-115.

Suganthi A and R. Mary Josephine (2018). Evaluating the chemical analysis profile of some lesser known edible fruits. *Indo American Journal of Pharmaceutical Sciences* 5 (2) : 815 – 820.

Suganthi A 2018. Anti Diabetic Overview. *Current Research in Diabetes and Obesity Journal* 7(4):1 -2.

Suganthi A and R. Mary Josephine, 2017. Nutritional and Mineral composition of *Solanum trilobatum* (L.). *International Journal of Current Research* 9 (6): 51744 – 51746.

Suganthi A and R. Mary Josephine, 2017. Quantification of Mineral Element, Vitamins and Identification of Betacarotenoid in HPLC of *Mukia maderaspatana* (Linn.) Cogn. fruits. *International Journal of Pharmaceutical Sciences Review and Research* 54(1): 1-4

Suganthi A and R. Mary Josephine , 2017. 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.* 7(6): 85-93.

Amrutha Jayakumar and **A.Suganthi**, 2017. Biochemical and phytochemical analysis of *Maranta arundinaceae* (L.) rhizome. *International Journal of Research in Pharmacy and Pharmaceutical Science* 2(3): 26 -30.

Ranjitha S and **A.Suganthi**, 2017. Preliminary Phytochemical analysis of *Galinsoga parviflora* (Cav) leaves. *International Journal of Research in Pharmacy and Pharmaceutical Science* 2(3): 18 - 20.

Suganthi A and R. Mary Josephine, 2017. Mineral composition of ripe and unripe selected edible fruits. *International Journal of Nutrition and Agricultural Research* 4(1):43 – 46.

Krishnapriya TV and **A.Suganthi**, 2017. Biochemical and phytochemical analysis of *Colocasia esculenta* (L.) Schott tuber. *International Journal of Research in Pharmacy and Pharmaceutical Science* 2(3): 21 -25.

Suganthi,A and Mary Josephine R, 2016. *Nephelium Lappaceum* (L.): An overview. *International Journal of Pharmaceutical Science and Research* 1 (5):36 - 39.

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

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

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

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

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

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

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

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

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

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

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

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

National

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

Suganthi A and R. Mary Josephine, 2017. Comparison of Nutrient and Mineral Composition of Ripe and Unripe Fruits of *Mukia maderaspatana* (L.) M.Roem. *Indian Journal of Nutrition and Dietetics* 54(4): 458 – 464.

14) Other Publications -

15) Book Publications -

16) Consultancy

Nature of Consultancy	Client	Amount	Completion Status
-	-	-	-

17) Presentations in Conference

International

Suganthi A and Poornima S (2016). A Rare Anticancer Medicinal Climber through internode multiplication and indirect organogenesis of *Kedrostis foetidissima* (Jacq) Cogn . 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 19 th September 2016.

Suganthi A and 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

Suganthi A and R. Mary Josephine (2017). Quantification of pigments, vitamins and minerals in *Pithecellobium dulce* (Roxb) dulce fruit. International Conference on Biodiversity, climate change & Environmental Sciences organized by Nirmala College for Women in collaboration with International Multidisciplinary Research foundation, September 8th and 9th 2017.

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 Malaysia and V.H.N. Senthilkumar Nadar College (May 3 – 4 , 2019 in Kuala Lumpur, Malaysia.

National

Participation in Conference 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 19 th September 2016.

International Conference BIOSUMMIT organized by the Hindustan College of Arts and Science held on 22 February 2017.

19) Participation in Seminar

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

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.

2nd National Seminar on Casuarinas organized by Institute of Forest Genetics and Tree Breeding, Coimbatore on 3 – 4 March 2011.

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

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

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.

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 .

One day seminar on Faculty development programme organised by Nirmala College for Women, Coimbatore on 25 th February 2017.

National Seminar cum medicinal plant exhibition on “Complementary and alternative Indian System of medicine” on 1st and 2nd February 2019 sponsored by DBT Star College Scheme , New Delhi jointly organized by the Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore and Bharatheeya Nattuvaidhya Samithy, (Affiliated to Concordia University), Trivandrum

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

One Day International e - Conference on Contemporary Innovative Developments in Applied Biology (CDAB – 2020) organized by the Department of Botany and Bioinformatics on 22nd January 2020.

20) Participation in Workshop

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

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

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

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.

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.

Two days DBT sponsored National Workshop on “The Exploratory Modules in ‘OMICS’ Biology” organized by the Department of Botany and Bioinformatics on 14th and 15th September 2017.

Workshop on Outcome Based Education, organized by the IQAC, Nirmala College for Women, Coimbatore – 18, on October 13th, 2018.

International Workshop on Glorious Global Model Plant on 18th February 2019 sponsored by DBT STAR college Scheme, New Delhi organized by the Department of Botany, Nirmala College for Women, Coimbatore -18

International Video Conference Current Scenario in Plant Science on 27th September 2019 sponsored by DBT STAR College Scheme, Government of India, New Delhi organized by the Department of Botany, Nirmala College for Women, Coimbatore -18.

Varma, Siddha on Free Siddha and Varma Camp on 29th February 2020 held at Nirmala College for Women, Coimbatore -18.

Workshop on the Revised Guidelines for the Accreditation Process of NAAC on March 7th, 2020 at Nirmala College for Women, Coimbatore -18.

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

NPTEL course on Forest and their Management organized by the IIT, Kanpur

22) Participation in Faculty Development Programme

Online Faculty Development Programme on “Moodle Learning Management System” organised by Department of Computer Science, Kaypeeyes College of Arts & Science, Kotagiri, The Nilgiris association with Spoken Tutorial Project, IIT Bombay, MHRD, Govt., of India from 29-04-2020 to 01-05-2020.

Online Faculty Development Program on “Online College Management & Online Content Creation Tool” organized by Mumbai University, BMM Department of Lala Lajpatrai College of Commerce & Economics & North Storm Academy.

Online Faculty Development Program on “Recent Trends in Color Image Processing” held on 11th May 2020 organized by Department of BCA/CS Patrician College Chennai.

One day international Faculty Development Programme on “Recent Innovations in Herbal Cosmetics” on 12-05-2020 (Tuesday) hosted by Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, Coimbatore, Tamilnadu-642001

Two day National level FDP held on 13th and 14th May 2020 organized by North Storm Academy.

National Online FDP on How to Bring Lasting Changes in Students conducted by Sri Sarada College for Women (Autonomous), Salem – 16, Tamil Nadu on 15.05.2020.

Seven days international faculty development program on Biological Sciences organized by PG and Research Department of Botany, Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi from 25th to 31st May 2020.

One Week Online Faculty Development Program on “Synthesis, Characterization and Applications of Novel Materials” organized by the Department of Physics & Chemistry, Ramco Institute of Technology, Rajapalayam during 02.08.2021 - 06.08.2021.

23) Conference/ Seminar/ Workshop Organized

Webinar on ‘Crystallography and its Applications’ organized by Department of Science & Humanities, Er.Perumal Manimekalai college of Engineering, Hosur - 635117 on 08-05-2020.

National Level Webinar on “Joy of Orderly Living” held on 05.05.2020 organized by Department of Commerce Kamadhenu Arts and Science College , Sathyamangalam.

National Level Webinar on Post Lockdown Class Room Management - Challenges and Chances organized by Sri Gayathri College of Education,Salem on 03-06-2020.

National webinar on Shola Forests : a paradise of Biodiversity” conducted by the Post Graduate and Research Department of Botany, Sree Narayana College, Nattika, Thrissur, Kerala on 05/06/2020

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

25) Member in Board of Study -

26) Editorial/ Review Board Member -

27) Membership in Professional Bodies

Name of Professional Body	Nature of Membership	Duration
-	-	-

28) Awards and Achievements -

29) Any Other

Junior Research Fellow in Institute of Forest Genetics and Tree Breeding