

## STAFF PROFILE

1. Name: **Dr.Anitha.T**
2. Designation: Assistant Professor and Head, Department of Botany
3. Qualification: M.Sc.,B.Ed.,Ph.D.,PGDCA.,
4. Mobile number: 95669 15133
5. E-mail id: anitha.t.botany@auxiliumcollege.edu.in
6. Teaching Experience: 14 Years
7. Area of specialization: Seed Physiology and Biochemistry
8. Positions held in Auxilium :
  1. IQAC Member
  2. Enviro Club Coordinator (Shift I)
  3. Ecology Coordinator
9. Research Experience and Guidance: 8 years
10. Projects Completed / Ongoing:
  1. Tamilnadu State Council for Science and Technology (TNSCST), Student Project Scheme (2018-2019) on “Comparison in yield of Oyster mushroom using biodegradable waste as substrate –paddy straw, sugarcane bagasse and coir waste”. Code No:EEE-073, Amount Rs. 7500.
  2. Tamilnadu State Council for Science and Technology (TNSCST), Student Project Scheme (2019-2020) on “Study of Effect of Green Tea in Oral Bacteria ”. Code No: BS-033, Amount Rs. 7500.
11. No. of Papers Published: 44
12. No. of Papers Presented in the National/International/Seminars/Workshops/  
Conferences: 14
13. No. of Seminars/Workshops/Conferences organized: 18
14. No. of Books Published/Edited/Co-edited: 3
15. Membership in professional bodies:

1. Nature Science Foundation,
2. Grabs Educational Trust and Tamil Nadu Association of Intellectuals and Faculty Tamil Nadu Science Forum
3. Professional Member - PGPR – Life time member
4. Tamil Nadu Science Forum – Life time Member

16. Honours & awards received:

1. Women Scientist Award, 9<sup>th</sup> Asian PGPR India Chapter National Conference, July 2024.
2. Excellence Award 2023-2024 of Rotary Club of Chennai Crown on 3rd March, 2024.
3. Fellow of NSF Award, Nature Science Foundation, Coimbatore on November 28, 2022.
2. Grabs Best Young Faculty Award, Grabs Educational Trust and Tamil Nadu Association of Intellectuals and Faculty on April 24, 2022
3. Received II Prize in oral presentation in National Conference on ‘Futuristic intricate stratagems in computational genomics CGEN-2019’ on the title “Ethno botanic study of grasses used by tribes of Attappady, Palakkad district, Kerala, Western Ghats of India” on 24th and 25th January, 2019.
4. II Rank in M.Sc Botany (2007)

17. Any Other:

1. Delivered a guest lecture on “Youth for a greener planet empowering change”, at DKM College, Vellore on 09.10.2025.
2. Served as a Lead Auditor on 13/07/2023 at Sacred Heart College, Thirupattur along with Nature Science Foundation.
3. Served as a resource person for the “Botany Club meet” held on 14.02.2023 at Arignar Anna Government Arts College for Women, Walajapet, Ranipet District and delivered a lecture on “Millets the miracle food”.
4. Completed the Lead Auditor Course. (2022)
5. Delivered a guest lecture on “Solid and Liquid Waste Management” in Auxilium College, Regunathapuram on 7th February, 2020 on behalf of IQAC.

6. Received II Prize in oral presentation in the National Conference on ‘Futuristic intricate stratagems in computational genomics CGEN-2019’ on the title “Ethno botanic study of grasses used by tribes of Attappady, Palakkad district, Kerala, Western Ghats of India” on 24th and 25th January, 2019.
7. Served as a Reviewer in the International Journal of Creative Research Thoughts (IJCRT, ISSN-2320-2882) since 17th April, 2019.
8. Served as an Editor in the Indian Journal of Biology (Red Flower Publications) since 5th August, 2019.
9. Served as an Editor in the International Journal of Botany Studies, ISSN: 2455-541X.
10. Guided 1 M.Phil Scholar as a co-guide during 2018–2019.
11. Guided 25 M.Sc Projects during the period 2014–2019.

### **Books Published**

1. **Environmental Studies** for UG courses (Chapter)  
ISBN: 978-81-939751-0-7, First Edition : 2018, Print at: MUDHRA CARDS, 50-11<sup>th</sup> Street, Tatabad, Coimbatore-641012
2. **Green leafy vegetables-** Biochemical and nutritive value.  
Amazon Kindle publication ASIN Number: B07R75ZK78 Date: 24.04.2019.
2. Flora of Auxilium College, June 2024

### **Publications:**

1. Antioxidant, Anti-inflammation, Antimicrobial Properties of *Henckelia fischeri* using HaCaTa Human Skin Keratinocytes, Oriental Journal Of Chemistry, ISSN: 0970-020 X, Vol. 42, No.(1): Pg. 291-300, 2026.
2. Mineral Profile, Proximate Composition, Anti-Nutritive Activity and Chemical Characterization of Rare and Endemic Medicinal Plant Extracts from *Henckelia Fischeri* (Gamble) A, TELEMATIQUE, ISSN: 1856-4194, Volume 24 Issue 1, Pg. 1061 – 1074, 2025.
3. Documentary Evidences of Selected Indigenous Medicinal Plants Used By the Tribal Peoples of Savarikkadu, Bulletin of Pure and Applied Sciences Section B – Botany (Plant Sciences), Volume 43, Issue-1, Pages-24-42, Publisher-BPAS, 2024.
4. Biological Evaluation Of Microalgae (*Spirulina Platensis*) - A Sustainable Livelihood Resource With Unexploited Value, Acta Biomed, ISSN: 0392-4203, Volume 95, Issue-1, Pages-209-223, 2024.

5. Algal Biodiversity along Southern coasts of India- a review, International Journal of Advanced Research in Biological Sciences Vol-7 Pg-32-42, 2020.
6. Sacred groves, the Conservatories for Anticancerous plants, Nirmala Annual Research Congress (NARC) Pg-252, 2019.
7. Evaluation of Algal Biodiversity along Western Coasts of India; A Review, International Journal of Advanced Research in Biological Sciences, 6, 59-64, 2019.
8. After effect of air layering in selected trees influencing arbuscular mycorrhizal fungi, International Journal of Research in Applied Science and Engineering Technology, ISSN:2321-9653, Vol-7, Pg-1361-1365, 2019.
9. Ethnobotanical Survey to Perceive the Knowledge of Wild Edible Plants Related to Ecology and Society in Parapram, Kerala, International Journal of Research in Applied Science and Engineering Technology, ISSN:2321-9653, Vol-7, Pg-1369-1373, 2019.
10. Preliminary Phytochemical and Mineral Analysis in Therapeutic Fruit Peels of Banana, Orange and Pomegranate, International Journal of Research in Applied Science and Engineering Technology, ISSN:2321-9653, Vol-7, Pg-1366-1368, 2019.
11. Floristic composition and ethnobotanical documentation of a sacred grove, Vallikkattu kavu-Kozhikode district, Kerala, International Journal of Research in Applied Science and Engineering Technology, ISSN:2321-9653, Vol-7, Pg-965-972, 2019.
12. Stomatal types in monocot and dicot plants within flora of Nirmala College campus, Coimbatore, Tamilnadu, International Journal of Research in Applied Science and Engineering Technology, ISSN:2321-9653, Vol-7, Pg-1980-1988, 2019.
13. Plant propagation in cucurbits through tongue grafting using biofertilizer and chemical fertilizer, International Journal for Research and Development in Technology, ISSN:2349-3585, Vol-11, Pg-228-232, 2019.
14. Ethno botanic study of grasses used by tribes of Attappady, Palakkad district, Kerala, Western Ghats of India, Futuristic intricate stratagems in computational genomics CGEN-2019, National, ISBN 978-93-5346-990-0, 24.01.2019 and 25.01.2019.
15. A study on comparison of morphological characters of oyster and button mushroom, Futuristic intricate stratagems in computational genomics CGEN-2019, National, ISBN 978-93-5346-990-0, 24.01.2019 and 25.01.2019.
16. A study of vegetative propagation methods in selected plants, Futuristic intricate stratagems in computational genomics CGEN-2019, National, ISBN 978-93-5346-990-0, 24.01.2019 and 25.01.2019.

17. Comparison of morphological and taxonomical character of cucumber and coccinea, Futuristic intricate stratagems in computational genomics CGEN-2019, National, ISBN 978-93-5346-990-0, 24.01.2019 and 25.01.2019.
18. Ethnobotanical survey to understand the contribution of Wild Edible plants related to ecology and society in Parapram, Kerala, Futuristic intricate stratagems in computational genomics CGEN-2019, National, ISBN 978-93-5346-990-0, 24.01.2019 and 25.01.2019.
19. A study on comparison of stomatal types in dicot and monocot leaves collected from the college campus, Nirmala Annual Research Congress NARC-2018, Volume 1, Pg-317-322, 2018.
20. Marine green algae as an anti breast cancer agent - cytotoxic test of *Chaetomorpha compressa* (bory) kutzing, International Journal for Research Trends and Innovation, Volume 3, Pg-62-66, 2018.
21. Phytochemical screening, biochemical and mineral analysis of marine green algae, *Boergesenia forbesii* (harvey) feldmann, International Journal for Science and Advance Research In Technology, Volume 4, Pg-1823-1826, 2018.
22. Effect of Various Types of Kitchen Waste Water on the Growth of *Abelmoschus esculentus*, L., International Journal for Science and Advance Research In Technology, Volume 4, Pg-483-486, 2018.
23. The Study on Wastewater Treatment Capacity of Vetiver Grass in Hydroponic System, International Journal for Science and Advance Research In Technology, Volume 4, Pg-478-482, 2018.
24. Comparison of Phytochemical and Biochemical Analysis in Leaves of *Justicia gendarussa*, Burm. F. and *Justicia Adhatoda*, L, International Journal for Science and Advance Research In Technology, Volume 4, Pg-474-477, 2018.
25. An Ethnobotanical Survey on Medicinal Plants Used by Tribal People in Attappadi, Palakkad District, Kerala, South India, International Journal for Science and Advance Research In Technology, Volume 4, Pg-618-623, 2018.
26. A review on the master macronutrient – Vitamin D, International Journal for Science and Advance Research In Technology, Volume 4, Pg-1517-1522, 2018.
27. Health benefits of *Spirogyra*, A biochemical and nutritive assay, International Journal of Current Advanced Research, Volume 7, Pg-10318-10320, 2018.
28. Recent advances in nanobiotechnology; a review, International Journal of Advanced Science and Research, Volume 2, Pg-13-15, 2017.
29. Biochemical and mineral analysis of the undervalued leaves – *Psidium guajava* L., International Journal of Advanced Science and Research, Volume 2, Pg-16-21, 2017.

30. Biochemical and nutritive analysis of underutilized green leafy vegetable - *Beta vulgaris*, L., International Journal of Advanced Science and Research, Volume 2, Pg-09-12, 2017.
31. Biochemical and nutritive analysis of invasive aquatic weed *Hydrilla verticillata* (L.f) royle, International Journal of Advanced Science and Research, Volume 2, Pg-45-48, 2017.
32. Comparison of biochemical, mineral and nutritive analysis of *Camellia sinensis*, L. (green tea) with normal tea dust, International Journal of Advanced Science and Research, Volume 2, Pg-05-08, 2017.
33. Comparison of biochemical analysis and nutritive value of the selected root tubers – carrot and radish, International Journal of Advanced Science and Research, Volume 2, Pg-41-44, 2017.
34. Biochemical, Nutritive and cooking quality of edible green leaf *Alternanthera sessilis* (L). R. Br. Ex Dc., Indian Journal of Biology, Volume 3, Pg-5-7, 2016.
35. Floristic diversity and phytosociological studies of the selected sacred grove in Kannur district, Kerala, International Journal of Advanced Science and Research, Volume 1, Pg-21-24, 2016.
36. A study on larvicidal assay on *Duranta repens* Linn. and *Vitex negundo* Linn. against *Culex quinquefasciatus*, International Journal of Advanced Science and Research, Volume 1, Pg-18-20, 2016.
37. Ethnomedicinal and Phytosociological Study of the Selected Sacred Grove in Alappuzha District, Kerala, International Journal of Advanced Science and Research, Volume 1, Pg-15-17, 2016.
38. Phytosociological studies of the selected sacred grove in Kannur district, Kerala, International Journal of Advanced Education and Research, Volume 1, Pg-09-12, 2016.
39. A study on the cooking quality, biochemical, and nutritive value of edible green leaf vegetable: *Alternanthera sessilis* (L.) R.Br. Ex Dc., International Journal of Applied Research, Volume 1, Pg-28-30, 2016.
40. Microbial analysis of drinking water in tanks of various places of Tamil Nadu, Proceedings of National Conference on Nilgiri Biosphere Reserve and Silver Jubilee Celebration, 2014.
41. Comparison of physical, chemical and microbial parameters of drinking water stored in tanks of Siruvani, Coonoor and Velanthavalam, Tamil Nadu, Nirmala Annual Research Congress NARC 49, Pg-152, 2014.
42. Mineral profile of edible green leafy vegetable - *Sesbania grandiflora* (L.) Pers, International Journal of Current Research, Volume-6, Pg-10074–10076, 2014.
43. Biochemical and cooking quality of edible green leaf – *Sesbania grandiflora* (L.) Pers., International Journal of Current Research, Volume-6, Pg-8293–8295, 2014.

44. Bacterial analysis of water samples of drinking water samples in tanks of various places of Tamil Nadu, Nirmala Annual Research Congress, Pg-111-113, 2013.

### **Online Courses attended**

1. Participated in the Five-Day International Online Faculty Development Programme (FDP) on “Ethics of AI for Civil Society and Academia: Normative Frameworks, Institutional Responsibilities and Societal Impact” organized by The Department of Management, ABBS Autonomous, in association with Globethics South Asia held from 02.03.2026 to 06.03.2026.
2. Participated in 7 Days online FDP on “Empowering Research Integrity & Innovation” organized by Committee for Research Ethics, Publication & IPR, Auxilium College (Autonomous) Gandhi Nagar Vellore on 27.10.2025-02.11.2025
3. Participated in Seven Days International Faculty Development Programme (online) on “Indian Knowledge System and Resourcefulness of Tamil” Organized by Tamil Department, Auxilium College (Autonomous) Gandhi Nagar Vellore on 22.9.2025 to 28.09.2025.
4. Attended 5 days International Faculty Development Programme on “Research Ethics in Higher Education” jointly organised by the National Centre for Advanced Studies in Humanities and Social Sciences (NCAS), Colombo, Sri Lanka and Globethics, South Asia Centre, Bangalore from 21.07.2025 to 25.07.2025.
5. Participated in 5-day Online Executive Development Program (EDP) on "Harnessing the Potential of Open-Source Tools for STEM Education, Research and Pedagogy" organized by the School of Advanced Sciences (SAS), VIT-AP University, India from 16.06.2025 to 20.06.2025.
6. Participated in 5 Days Faculty Development Program on “Transforming Higher Education: Faculty Development Programme on Institutional Autonomy and NEP 2020 Implementation” organized by IQAC, Mazharul Uloom College (Autonomous), Vellore held from 10.05.2025 to 15.05.2025.
7. Advancing Scientific Knowledge (NLOFDPASK-2025), organized by Department of Physics, Sacred Heart College (Autonomous), Tirupattur on 24-03-2025 to 28-03-2025
8. AI Powered Learning: Shaping the Future of Education, Organized by Department of Computer Science & Applications, Vivekanandha Arts and Science College for Women, Sankagiri on 20-01-2025 to 25-01-2025
9. Online Refresher Course in Life Science, organized by UGC-MMTTC of Madurai Kamaraj University on 04-12-2024 to 17-12-2024
10. Orientation & Sensitization Programme organized by UGC-MMTTC of Madurai Kamaraj University on 14-10-2024 to 22-10-2024

11. FDP-Indian Knowledge System organized by the Internal Quality Assurance Cell, Nandha Arts and Science College (Autonomous), Erode – 52 on 30-09-2024 to 06-10-2024
12. Participated and Presented a research paper in the 9th Asian PGPR India Chapter National Conference on “The beneficial microbes as integrated approach for Sustainable Agriculture, opportunities and challenges” organized by Department of Botany, Bharathiar University, Coimbatore on 29.07.2024 and 30.07.2024.
13. Participated in special lecture on “National Building Code” conducted through virtual mode on 14.07.2023 and 15.07.2023 by Nature Science Foundation, Coimbatore.
14. Attended a Webinar on Fermentation: interplay of microbes, immunity, and nutrition” organized by the Department of Rural Development & Agricultural Production (RDAP) North-Eastern Hill University (NEHU), Tura Campus, Meghalaya, in association with Biotechnology Industry Research Assistance Council (BIRAC), A Government of India Enterprise on 03.02.23 and 04.02.23
15. Participated in the UGC-Sponsored Online National Webinar on “NEP-2020 : Changing Role of Teachers” conducted by the UGC-Human Resource Development Centre, University of Kerala, Kariavattom, Trivandrum on 05.09.2022
16. Participated in the International Webinar on “Wetland Conservation” organized by the department of Botany, NSS College, Nemmara, Palakkad, Kerala, India in association with State University of Mato Grosso (UNEMAT), caceres-Mato Grosso, Brazil on 05.02.2022
17. Participated in the Workshop on “Documentation and Data Management” organized by IQAC, Auxilium College on 29.10.2021.
18. Attended a Webinar on “Sustainable Living -The Way Forward For Earth’s Sake” organized by the Department of Advanced Zoology and Biotechnology, Women's Christian College, Chennai on 28.08.2021.
19. Attended a Webinar on “Sustainable Living -The Way Forward For Earth’s Sake” organized by the PG and Research Department of Zoology, Auxilium College (Autonomous), Vellore on 28.08.2021
20. Attended a National Webinar on “The big question, How to get published in impact factor journals?” organized by the Department of Library, Pachaiyappa’s College, Chennai on 21.08.21
21. Attended a National Webinar on “Genetic engineering of plants with photoreceptor genes to enhance the biomass and yield” PG and Research department of Botany, Pachaiyappa’s College, Chennai on 04.08.21
22. Attended an International Webinar on “Recent and Emerging Trends in Biotechnology” sponsored by DBT and Organized by the Department of Botany, Nirmala College for Women, Coimbatore on 27.02 2021.

23. Participated in NAAC sponsored one day National Level Seminar on “Challenges in Revised NAAC Assessment and Accreditation Framework” organized by Internal Quality Assurance Cell (IQAC) of Marudhar Kesari Jain College For Women, Vaniyambadi on 13/02/2021.
24. Attended a Webinar on “An exclusive study of Criteria 6 and 7 in RAF” held on Wednesday, 9th December 2020 jointly organized by the IQAC of Auxilium College (Autonomous) Vellore, and Loyola College, Vettavalam under PARAMARSH scheme of UGC.
25. Attended a Webinar on “Research Innovations & Extension” Organized by Auxilium College (Autonomous) Vellore in association with IQAC Cell, Don Bosco College(Co-Ed), Yelagiri Hills under PARAMARSH scheme of UGC on 01-12-2020.
26. Attended a webinar on “Teaching, Learning and Evaluation” ,organized by the Internal Quality Assurance Cell (IQAC), Auxilium College (Autonomous) Vellore, in association with St.Joseph’s College of Arts and Science for Women, Mookandapalli, Hosur, under Paramarsh Scheme of UGC, on 27/11/2020.
27. Attended a National Webinar on “National Education Policy 2020 with a focus on Technology” by the Internal Quality Assurance Cell, Auxilium College, Vellore, held on 12 October 2020.
28. Attended a National Level Webinar on "Shola Forest – a Paradise of Biodiversity" Organized by Department of Botany, G. Venkataswamy Naidu College, Kovilpatti – 628 502 on 23rd October, 2020
29. Attended a Webinar on “National Education Policy – 2020” organized by Regional Outreach and Press Information Bureau, Government of India, Chennai on 14th August 2020.
30. Attended a National Webinar on “ Effective use of Library E-Resources” organized by Department of Library and Information science, St.Ann’s Degree College for Women and St.Ann’s P.G.College for Women, Mallapur, Hyderabad on 13th August,2020.
31. Attended a International Webinar on “ Identifying your strength” organized by the Department of Psychology and IQAC of Sri Bhuvanendra College, Karkala, Udupi on 10/08/2020.
32. Participated in an International webinar on “Who Am I? Exploring Teachers' Identity” organized by Annammal College of Education for Women, Thoothukudi on 10.08.2020.
33. Participated in the Virtual Awareness programme on “Menstrual Hygiene and Sustainable Menstruation.” organized by Annammal College of Education for Women, Thoothukudi on 08.08.2020.
34. Participated in a National Webinar on “Medicinal Plants for Health Care” organized by Department of Botany and IQAC, Sri Bhuvanendra College, Udupi District, Karnataka on 04.08.2020.
35. Participated in a Webinar on “Accessing e-Resources for Academic Activities” delivered by Mr.Kodandarama, Chief Librarian, PES Engineering College, Mandya, on 4 August 2020

organized by the Department of Library, Auxilium College (Autonomous), Gandhinagar, Vellore, Tamil Nadu.

36. Participated in an International Faculty Development Programme jointly organized by IQAC and Human Resource Services, Idhaya Engineering College for Women, Kallakurichi Dt, Tamil Nadu on 31st July and 2020 and 1st August 2020.
37. Participated in National Level Webinar on “Emerging Trends in Indian Higher Education” organized by Department of Chemistry, Shree Chandraprabhu Jain College on 20.07.2020
38. Participated in the National Webinar on “The Misunderstood Reptile – The Snake” organized by PG and Research Department of Zoology, Sri Vasavi College, Erode on 18th July 2020.
39. Participated in the Webinar Series in Animal Sciences - I on “Exploration Of Biochemical & Molecular Perspectives in Life Sciences” organized by PG and Research Department Of Zoology, Nirmala College for Women, Coimbatore on July 15th, 2020 virtually through Google Meet.
40. Participated in the Virtual webinar on “Google Classroom” organized by Jayaraj Annapackiam CSI Polytechnic College, Thuthukudi on 10.07.2020.
41. Participated in an International webinar on “Covid 19 and Environment” organized by the Department of Geography and IQAC, Chakdaha College (Chakdaha, Nadia, West Bengal, India) on 11th July, 2020
42. Participated in the One Day International Webinar on “Challenges in Controlling Covid 19 Pandemic - In the View of Immunological Aspects” Organized by PG & Research Department of Zoology, Arulmigu Palaniandavar College of Arts and Culture, Palani on 11th July 2020.
43. Participated in a National Webinar on “Impact of COVID-19 on Offline Classes” organized by Department of Commerce & IQAC, DR. S. R. K. GOVERNMENT ARTS COLLEGE, YANAM, Puducherry held on 8/7/2020
44. Participated in Two-day International Conference (Webinar) on “Augmented Reality in Education: Learning Beyond Imagination” organized by Department of Educational Technology, Bharathiar University, Coimbatore, Tamilnadu, India on 7th& 8th July, 2020.
45. Participated in the National level webinar on “ Medicinal Plants used in Siddha Formulation Currently Recommended for Covid -19” organized by the PG Department of Chemistry, Sri Meenakshi Government Arts College for Women (Autonomous), Madurai on 06.07.2020.
46. Participated in the National level online workshop on “The Nutrition Power House: Microgreens” organized by OISCA Women’s chapter, Chennai in collaboration with the center for Environmental Studies, Women’s Christian College, Chennai on 04.07.2020.
47. Participated in National Level Webinar on “Slender loris... The nocturnal prosimian of South India” Organized by Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR) on 4th July, 2020.

48. Participated in the webinar on “Post Covid-19 Social Work Education and Practice: Emerging opportunities and Challenges” organized by IQAC and Department of Social Work, Vivek College of Education, Bijnor on 02.07.2020.