

Profile

Professional Summary:

Name: :Dr. A.AUXILIA,
Designation :Assistant Professor in Botany
Qualification: M.Sc., B.Ed., Ph.D
Experience: : 6 years 10 months in teaching
Subjects of Expertise: Cell and Molecular Biology, Microbiology,
Plant Anatomy, Genetics and Plant Breeding, Biostatistics, Taxonomy,
Phytochemistry



Education Details

S. No.	Degree/Diploma	Subject/Main	Year	Name of the College/ University
1.	U.G.	BOTANY	2009	HolyCrossCollege(Autonomous),Trichy-2
2.	P.G.	BOTANY	2012	HolyCrossCollege(Autonomous),Trichy-2. (BDU)
3.	B.Ed	BOTANY	2010	St.Joseph'sCollege(Autonomous),Trichy-2. (BDU)
4.	Ph.D.	BOTANY	2017	St.Joseph'sCollege(Autonomous),Trichy-2 (BDU)
5.	NET/CSIR/SLET	-		-
6.	Others	-		-

Technical qualification:

S.No.	Degree/Diploma	Subject/Main	Name of the College/University
1.	Honours Diploma in Computer Application(HDCA)	Computer science	CSC computer education, Trichy

Research:

Completed Doctorate Degree in Botany

Title: Isolation and characterization of emerging opportunistic pathogens from hospitalized HIV/AIDS patients of Karur district and antimicrobial screening of local medicinal plants on opportunistic pathogens

Journal/Articles Published: National/International Research Publications

1. A. Auxilia, M. Revathi, R. Manonmani and A.Asha Monica. 2023. Evaluation of phytochemical, antibacterial and antioxidant analysis of *Linum usitatissimum* L. seed extract. Int J Pharm Sci & Res 2023; 14(9): 4630-35.
2. I. Helen Diana A.Auxilia. 2023. Antibacterial, Antioxidant and Phytochemical Analysis of *Cereus jamacaru* D.C. seed extract. International journal of Pharmaceutical Sciences

and Research Volume 14(6):1000-05.

3. A. Auxilia and I.Helen Diana. 2022. Evaluation of Antibacterial, antioxidant and Phytochemical Analysis of *Amomum subulatum* Roxb.. *Research Journal of Agricultural Sciences An International Journal*, 13(05): 1366-1369.
4. A. Asha Monica and A. Auxilia, 2022. Identification of palm varieties based on the DNA bar coding using mat K gene. Centre for advanced Research in Agricultural Sciences, *Research Journal of Agricultural Sciences*, 14 (02): 509-511.
5. P. Francisca,R. Kavitha, **A. Auxilia** and V.Kayalvizhi. Efficiency of seaweed fertilizer as Biostimulant and radio protectant on growth of *Vigna unguiculata* (L.)Walp. 2019. *Journal of Emerging technologies and Innovative Research*, 6(1): 138-144.
6. R.Kavitha, P. Francisca, and **A.Auxilia**,2019. Biosynthesis, characterization and antibacterial effect of plant mediated silver nanoparticlesfrom *Adenanthera pavonia* L. *Journal of Emerging technologies andInnovative Research*, 6(2): 344-349.
7. **A. Auxilia**, P. Francisca,R. Kavitha and R.Thendral, 2019. Assessment of *Gmelina arborea* Roxb. for their antibacterial activity against clinically important bacterial pathogens. *Journal ofEmerging technologies and Innovative Research*, Volume 6(1):1-9.
8. T. Francis Xavier, **A. Auxillia** and M. Kannan, 2016. An antibacterial potential of *Tragiainvolucrata*L.against opportunistic pathogens of HIV/AIDS positive patients of Karur District. *World Journal of Pharmacyand Pharmaceutical Sciences*, 5(3): 871-877.
9. T. Francis Xavier, M. Kannan, M. and **A. Auxillia** 2016. Sensitivity pattern of opportunisticbacterial pathogensofHIV/AIDSpatientsof *Cycleapeltata* (Lam.)Hook.F& Thomson – a potential medicinal plant. *World Journal of Pharmacy and Pharmaceutical Sciences*, 5(3): 864-870.
10. G.DayanaJeya Leela,J.K.AlphonsaJulietHelina,V.AlexRamani,T.FrancisXavier and **A.Auxilia**, 2015. Phytochemical screening and antimicrobial studies on the medicinal plant *Vitex altissima* L. *World Journal of Pharmacy and Pharmaceutical Sciences*, 4(9):705-716.
11. J.K. Alphonsa Juliet Helina, G. Dayana Jeya Leela, V. Alex Ramani, T.Francis Xavier and **A.Auxilia**, 2015. Phytochemical screening and antimicrobial studies on the medicinal plant *Flueggea leucopyrus* (willd.) *World Journal of Pharmacy and Pharmaceutical Sciences*, 4(9) 717-726.
12. T.Francis Xavier, M. Kannan and **A. Auxillia**, 2015. Isolation and characterization of opportunistic bacterial and fungal pathogens from hospitalized HIV/AIDS patients of Namakkal District in Tamil Nadu. *World Journal of Pharmacy and Pharmaceutical Sciences*, 4(7):742-750
13. T.Francis Xavier, M. Kannan and **A. Auxillia**, 2015. Observation on the traditional

phytotherapy among the Malayali tribes in Eastern Ghats of Tamil Nadu, South India, Journal of Ethnopharmacology, 165(2015)198–214.

14. T. Francis Xavier, **A.Auxilia** and M.Kannan, 2015. Isolation and characterization of UTI pathogens from HIV positive patients of Karur District, Tamil Nadu, India, Int.J.Curr.Microbiol. App.Sci, 4(1) 558-563.
15. T.Francis Xavier and **A.Auxilia**, 2014. Prevalence of Candida infection in HIV seropositive patients in Karur district of Tamil Nadu, India, Int.J.Curr.Microbiol.App.Sci,3(5):312-317.
16. T.Francis Xavier, M. Kannan, L. Lija, **A. Auxilia**, A.Freeda Rose, S.Senthilkumar. Ethnobotanical study of Kani tribes in Thoduhills of Kerala, South India, Journal of Ethnopharmacology, 152 (2014) 78–90 (ImpactFactor 3.3)
17. T.Francis Xavier, **A. Auxilia**, P.Suresh, M.Kannan and A.Arun Bastin, 2013. Floristic studies on selected sacred groves of Tiruchirappalli District, Tamil Nadu, International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), 2(4):968-973.
18. T.Francis Xavier, P.Suresh, **A. Auxilia**, M.Kannan and A.Arun Bastin, 2013. Floristic composition and practices on the selected sacred groves of Rajapalayam, Virudhunagar District, Tamil Nadu, Scholars Research Library, 5(3):7-10.
19. T. Francis Xavier, P. Nirmal Kumar, **A. Auxilia** and M. Kannan, 2013. In vitro growth inhibition of pathogenic bacteria by *Solanum seaforthianum* L. Pelagia Research Library, 3(4):70-76.
20. T. Francis Xavier, **A.Auxilia** and M. Senthamil Selvi, 2013. Antibacterial and phytochemical screening of *Solanum erianthum* D.Don, Scholars Research Library,3(2):131-133.
21. T. Francis Xavier, **A.Auxilia**, M.Kannan, A.Freeda Rose and S. R. Senthil Kumar, 2013. Isolation and Identification of *Cryptococcus neoformans* from pigeon droppings in Tiruchirappalli district of Tamil Nadu, South India, Int.J.Curr.Microbiol.App.Sci,2(11):404-409.
22. M. Kannan, L.J. Lija, T.Francis Xavier and **A.Auxilia**, 2013. Antimicrobial activity of the medicinal plant *Senna obtusa* Roxb, International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), 2(5): 1135- 1140.
23. T. Francis Xavier, M.Kannan and **A.Auxilia**, 2013. Spectrum of Opportunistic pathogens in HIV/AIDS patients of Namakkal district of Tamil Nadu, India, Int.J.Curr.Microbiol.App.Sci, 2(8): 110-113.
24. T. Francis Xavier, **A.Auxilia**, M.Kannan, A.Arun Bastin, A.Freeda Rose and S. R. Senthil Kumar,2013. Comparison of different media for the pigment production of

Pathogenic and Non pathogenic *Cryptococcus neoformans* isolates, Scholars Academic Journal of Biosciences, 1(6):263-266.

Conference/Seminar/Workshop/TrainingProgrammeattended

1. Participated International Conference on “Sustainable Utilization, Management and Conservation of Bioresources (ICSMCB-2013)” 10th and 11th January 2013. Organized by the Department of Botany St. Joseph’s College (Autonomous), Tiruchirappalli, Tamil Nadu.
2. Participated National Seminar on “Recent Trends in Bioactive Substances” (RTBASS-2013) 5th and 6th March 2013. Organized by the Department of Botany Government Arts College Karur, Tamil Nadu.
3. Participated National Symposium on Recent Trends in Medicinal and Aromatic Plants (NASYMP’14) 5th February 2014. Organized by the Department of Botany, St. Joseph’s College (Autonomous), Tiruchirappalli, Tamil Nadu.
4. Participated National Symposium on Recent Trends in Medicinal and Aromatic Plants (NASYMP’15) 5th February 2015. Organized by the Department of Botany, St. Joseph’s College (Autonomous), Tiruchirappalli, Tamil Nadu.
5. Participated One day state level workshop on “Mushroom Cultivation” on December 2012. Organized by the department of Botany, St. Joseph’s College (Autonomous), Tiruchirappalli.
6. Participated Science Academies’ Lecture Workshop on “Thrust Areas in Life Science” from 31st January to 2nd February, 2013. Organized by the Department of Biotechnology, Cauvery College for Women, Tiruchirappalli.
7. Participated One day state level workshop on Microbiological and Phytochemical Techniques on 18th December 2013. Organized by the department of Botany, St. Joseph’s College (Autonomous), Tiruchirappalli.
8. Participated One day State level Workshop on “Pharmacognostical Screening of Medicinal Plants” on 4th March 2013. Organized by the Department of Botany, St. Joseph’s College (Autonomous), Tiruchirappalli, Tamil Nadu.
9. Participated One day state level workshop on „Modern Methods of Analytical Techniques in Chemistry Research“ on 31st January 2014. Organized by the PG and Research Department of Chemistry, St. Joseph’s College (Autonomous), Tiruchirappalli.

10. Participated One day state level workshop on “Basic Techniques in Microbiology for schoolteachers”(MICROTECH“ 14)on28th August 2014.Organized byOrganized by the Department of Botany, St.Joseph“s College (Autonomous), Tiruchirappalli, Tamil Nadu.
11. Participated One day State level Workshop on “Landscape Designing” on 10th January 2014. Organized by the Department of Botany, St.Joseph“s College (Autonomous), Tiruchirappalli, Tamil Nadu.
12. Participated National workshop cum training Programme on conventional and Modern Aspects of plant Taxonomy (NWCMP- 2014) from 12-14, February 2014. Organizedby Department of Biology, Gandhigram Rural Institute- Deemed University, Gandhigram, Dindigul.
13. Participated “Regional Workshop on Statistical Packages” on 7th&8th March 2014. Organized by the Department of Statistics, St.Joseph“s College (Autonomous), Tiruchirappalli.
14. Participated One dayState level Workshop on “Techniques in Molecular Pathologyand Diagnostics” on 24th September 2014. Organized by the Department of Biotechnology, St.Joseph“s College (Autonomous), Tiruchirappalli.
15. Participated ScienceAcademies“LectureWorkshopon“PlantsForPeopleand People for Plants”from 18th to 20thDecember 2014. Organized bythe Department of Botany, Government Arts College (Autonomous), Karur.
16. Participated One day state level workshop on “Plant Tissue Culture Techniques” on 22nd December, 2014. Organized bythe department of Botany, St.Joseph“s College (Autonomous), Tiruchirappalli.
17. Participated Science Academies“ Lecture Workshop on “Vistas in Biosciences” from 30th to 31st January 2015.Organized bythe department of Botany, St.Joseph“s College (Autonomous), Tiruchirappalli.
18. Participated Science Academies“ Lecture Workshop on “Bioprospecting and Bioresources” from 10th to 12st February2016. Organized by the Department of Botany, St.Joseph“s College (Autonomous), Tiruchirappalli.
19. Participated Science Academie“s Refresher Course on Experimental Biology: Orthodox to Modern (7th - 19th November 2016).
20. Participated One day National Seminar on “Global Food Security and the role of biotechnology in sustainable food system and nutrition organized by the Department of Biotechnology, St.Joseph“s College (Autonomous), Tiruchirappalli.

21. Participated Science Academies "Lecture Workshop on "New Vistas in Biodiversity and Bioresources" from 2nd to 4th August 2017. Organized by the Department of Botany, St. Joseph's College (Autonomous), Tiruchirappalli.
22. Participated A one day webinar on "**Biodiversity-Urgent And Existential Concerns**". On 10.06.2020. Conducted by PG & Research Dept. of Botany, St. Mary's College (Autonomous), Thoothukudi (Online).
23. Participated Faculty development Webinar Series on "**Andragogy of Online Teaching**" Internal quality Assurance Cell (IQAC) Holy Cross College (Autonomous), Trichy on 29th May 2020.
24. Participated Webinar series on "**Remote Classrooms-Digital Technology in Teaching Learning**" Internal quality Assurance Cell (IQAC) Holy Cross College (Autonomous) Trichy-2(online) on 30th May, 2020.
25. Participated HCCares webinar series on, "**Seed and Weed Nurturing relationships**" HCCares, Holy Cross College (Autonomous), Trichy (online) on 02.06.2020.
26. Participated National Innovation Webinar on "Social Innovation and change management" Institution's Innovation Council Holy Cross College (Autonomous), Trichy (Online) on 5th June 2020
27. Participated "**Webinar On Obesity and its Role in Breast Cancer**" conducted by CICRSD Holy Cross College (Autonomous), Trichy on 6th June 2020
28. Participated Faculty Orientation Webinar Series on **Risk Management In Times of Crisis** Internal quality Assurance Cell (IQAC) Holy Cross College (Autonomous), Trichy on 12th June 2020.
29. Participated Webinar on "**Invitro production of secondary metabolites**" PG & Research Department of Botany, Holy Cross College (Autonomous) Trichy-2(online) on 16th June, 2020
30. Participated Webinar on "**Protecting research inventions through intellectual property rights**" Conducted by PG & Research Department of Botany Holy Cross College (Autonomous) Trichy-2(online) on 17th June, 2020
31. Participated Webinar on **How EDII TN Promotes Innovation & Entrepreneurship Through IEDP & IVP**, organized by Institution's Innovation Council, Holy Cross College (Autonomous), Trichy 4th July 2020
32. Participated **One week online International Faculty Development Program on "Artificial Intelligence and IoT-Heuristic Transdisciplinary perspectives"** organized by CICRSD Holy Cross College (Autonomous), Trichy
33. 4th to 10th July 2020

34. Participated **UGC STRIDE COMPONENT I Capacity building of young talent in transdisciplinary research for a sustainable development of society – FDP webinar series III**, Centre for Research & Publications and Institution's Innovation Council Holy Cross College (Autonomous), Trichy on 13th to 18th July 2020
35. Participated Webinar on **“Marine Bio-Propecting”** Conducted by PG & Research Department of Botany Holy Cross College (Autonomous) Trichy-2(online) 16th July, 2020
36. Participated a National Webinar on **“Diversity and Distribution of Pteridophytes in India”** PG & Research Department of Botany Holy Cross College (Autonomous) Trichy-2 (online) 6th August, 2020
37. Participated International Webinar on **“Phytochemicals as an Antibiotic Alternative to Combat MDR”** PG & Research Department of Botany Holy Cross College (Autonomous) Trichy-2(online) on 6th October, 2020
38. National Seminar on **“Phytochemistry and Nanomaterials in Plant Sciences”** organized by PG and Research Department of Botany, Holy Cross College (Autonomous), Trichy. On 15th & 16th December 2022. Participated and Presented Poster on Green Synthesis of Nanoparticles for the bioremediation of Heavy metals and Metalloids
39. Participated one day Conference on **“Challenges and Opportunities in Life Sciences”** organized by the School of Life Sciences, 15th February 2023
40. Participated **UGC sponsored Tenth online Faculty induction Programme**, University grants commission Human Resource Development Centre, Bharathidasan University, Tiruchirappalli, 01.06.2022 to 30.06.2022.
41. International conference on **“Environmental management and sustainable development”** PG Department of Environmental science, Holy cross college (Autonomous) Tiruchirappalli. Holy Cross College (Autonomous) Tiruchirappalli held on 24th January 2023
42. International conference on **“The Transformative power of Value Education for the Development of Youth Today”**, Department of Value Education, Holy Cross College, Tiruchirappalli.
43. Participated One day Conference on **“Challenges and Opportunities in Life Sciences”** organized by the School of Life Sciences. Holy Cross College (Autonomous), Trichy, Holy Cross College (Autonomous), Trichy on 15th February 2023.
44. Participated **Two week refresher course in Botany**, Conducted by University grants commission Ministry of Education, Teaching Learning Centre, Ramanujan College, University of Delhi 18.02.2023 to 04.03.2023

Workshop Conducted

Science Academic's Sponsored Lecture Workshop on Progress and Prospects in Biosciences (PROBIO) organized by the Department of Biotechnology, St. Joseph's College (Autonomous) Tiruchirappalli (5th & 6th October 2016)

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