

Curriculum Vitae

Dr. SARANYA DEVI. K

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ACADEMIC CHRONICLES

Course / Degree	Board / University	School/College	Year
Ph.D Microbiology	Bharathiar University	Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore	2020
M.Phil Microbiology	Bharathiar University	Nehru Arts and Science College (NASC), Coimbatore.	2013
M.Sc Microbiology	Bharathiar University	Sree Narayana Guru College (SNGC), Coimbatore	2010
B.Sc Microbiology	Bharathiar University	SNGC, Coimbatore	2008
+2 (Biology, Physics, Chemistry & Maths)	Kerala State Board	Govt. Victoria Girls Hr. Secondary School, Chittur, Palakkad, Kerala	2005
S.S.L.C	Kerala State Board	Govt. Victoria Girls Hr. Secondary School, Chittur, Kerala	2003

ACADEMIC RESEARCH

Course	Institution	Graduated Year	Thesis/ Dissertation Entitled	Supervisor
Ph.D	IFGTB, Coimbatore	2020	Studies on salt tolerant beneficial microbes on growth improvement of tree seedling in saline condition	Dr. V. Mohan Scientist G Forest Protection Division, IFGTB, Coimbatore.
M.Phil,	NASC, Coimbatore	2012	Evaluation of biological and chemical properties of <i>Araucaria columnaris</i> for its potential uses	Dr. J. Rathinamala, Associate Professor and Head of Microbiology, NASC, Coimbatore.
M.Sc	SNGC, Coimbatore	2010	Antagonist activity of rhizobacteria against rice pathogen <i>Rhizoctonia solani</i> and <i>Sarocladium oryzae</i> and its important in plant growth promotion	Mrs. Sowndram.S, Assistant Professor, Dept. of Microbiology, SNGC, Coimbatore.

AWARDS/CREDITS

Qualified	Board	Subject	Year of passing
National Eligibility Test (NET)	Agricultural Scientist Recruitment Board (ICAR)	Agricultural Microbiology	2015

RESEARCH EXPERIENCE

Designation	Institution	Period	Project Title	Supervisors
Junior Research Fellow (JRF)	IFGTB, Coimbatore	Feb 2012 to Mar 2014 (2 years)	Study on beneficial microbial interaction with trees in heavy metal contaminated sites in Tamil Nadu (TNFD sponsored project)	Dr. V. Mohan Scientist G Forest Protection Division, IFGTB Coimbatore.
Field Assistant	IFGTB, Coimbatore	June 2014 to June 2015 (1 year)	<i>In-vitro</i> production of secondary metabolites in Dasamoola tree species through Hairy root culture (NMPB sponsored project)	Dr.Rekha.R.Warrior Scientist E, Plant Biotechnology Division, IFGTB, Coimbatore.

WORK EXPERIENCE

Sl. No	Designation	Institution/company	Period
1.	Junior Microbiologist	Microbiological Laboratory, ISO 9001-2000 certified laboratory, Vadacovai, Coimbatore	April 2011 to Sep 2011 (6 month)
2.	Guest Lecturer-Microbiology	Govt Arts and Science College, Kozhinjmpara (GASCK), Palakkad, Kerala	June 2017 to March 2019 (2 years)
3.	Assistant Professor-Microbiology (Appointment through Kerala Public Service Commission)	Govt Arts and Science College Kozhinjmpara, Palakkad, Kerala	June 2019 to till date (4 years)

EXTERNAL RESEARCH GRANT

- ♣ A student research grant of rupees 10,000/- sanctioned by 'The Kerala State Council for Science, Technology and Environment' (KSCSTE)Thiruvananthapuram for the research entitled "Study on the antagonistic activity of neem endophytic bacteria against rice sheath blight causing fungi *Rhizoctonia solani*" (2019-2020) (File No.:00574/SPS 64/2019/KSCSTE).

MEMBERSHIP IN PROFESSIONAL BODIES

- ♣ Lifetime Member in Microbiologist Society India (from June 2023 onwards)- Membership No: MS/LM/939

- ♣ Affiliate Membership in **Microbiology Society United Kingdom** (2021 onwards)- Membership No: **C025061**

REVIEWER FOR RESEARCH JOURNAL

- ♣ International Journal of Plant & Soil Science - 2023

WEBINER ORGANIZED

- ♣ Organized national level online webinar on **Employment Opportunities in Medical Coding** held on 03/08/2021 (Resource person -Mrs Banu Rekha (CEO Medvision, Coimbatore).

REFRESHER COURSE/FDP/FIP ATTENDED

1. Completed 15 days **Refresher Course** conducted by UGC HRDC Kannur University, Kerala from 26/09/2023 to 09/10/2023.
2. Completed **7 Day National Level Online Faculty Development Program** on ‘ChatGPT & AI Tools’ organised by Marian College Kuttikkanam (Autonomous) in association with The Kerala State Higher Education Council from 14 June to 21 June **2023**.
3. Completed **One-week Faculty Development Programme (FDP)** on ‘Moodle based learning management system and course design’ conducted by the Faculty Development Centre of the Kerala State Higher Education Council (KSHEC), Thiruvananthapuram, hosted by Learning centre of SNGS college, Pattambi from 13th to 17th March **2023**.
4. Completed **one month Faculty Induction Programme** conducted by UGC HRDC Bharathidasan University, Tiruchirappalli, Tamil Nadu from 01/06/2022 to 30/06/2022.
5. Attended **3 days capacity building residential programme** conducted by DCE Thiruvanthapuram at IISER Thiruvanthapuram (15/7/22, 16/7/22, 17/7/22).
6. Completed **One-week Faculty (5 days) Development Programme (FDP)** on Edu. Tech Hands-on Online Workshop conducted by the Faculty Development Centre of the Kerala State Higher Education Council (KSHEC), Thiruvananthapuram from 23th to 28th June **2021**.
7. Completed **One Week (7 days) online short-term Faculty Development Programme** on “ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies” organised by Department of Physics and IQAC Sree Narayana College Kollam in collaboration with The Kerala State Higher Education Council from August 17-23, **2020**. The Grade awarded is 'A'.
8. Completed **one day online FDP** on ‘Teaching and learning-An online approach’ organized by Ahalia school of Engineering and Technology, Palakkad in association with Indian Society for Technical Education (ISTE) – Ahalia Palakkad Chapter held on 01 Aug **2020**.

RESEARCH PUBLICATIONS

Particulars	Published	Accepted/ In print	Submitted
Research articles	21	-	2
Review articles	1	-	-
Newsletters	1	-	-
Book chapters	3	-	-
Conference proceedings	2	-	-

RESEARCH ARTICLES

1. M. Anjana and **K. Saranya Devi**, 2022. A Study on Biocontrol and Plant Growth Promoting Efficacy of *Azadirachta indica* (Neem) Leaf Endophytic Bacteria. *American Journal of Biochemistry and Molecular Biology*, 12: 13-29. ISSN 2150-4210. DOI: 10.3923/ajbmb.2022.13.29
2. Gayathri Devi S, Prayag P, Remiz Raja S, Ashifa KM, **Saranya Devi K.** 2021. Inhibitory effect of garlic extracts on multidrug resistant Salmonella isolated from broiler chicken meat. *J Curr Res Food Sci*, 2(2):27-33. E-ISSN: 2709-9385 P-ISSN: 2709-9377
3. K. Pitchurajan, M. Aishwarya, S. Sujitha, **K. Saranya Devi** and V.Mohan. 2020. Screening and selection of potential beneficial rhizosphere fungi from medicinally important plant species in Tamil Nadu, India, *Journal of Academia and Industrial Research*, 8 (9), 153-159. ISSN: 2278-5213. **Impact factor-0.406**
4. Shyama P. Nair, Mridul Lal Lakshmanan P.V, Athira C, Henna Hameed V.V, Radha T, **Saranya Devi K.** 2019. Screening of *Oryza sativa* Indigenous Rhizobacteria for its Bio-control and Plant Growth Promoting Potential. *International Journal of Scientific Research in Multidisciplinary Studies*, Vol.5, Issue.11, pp.89-97. E-ISSN: 2454-9312.
5. Dinesh, M.D., Shareena, S., **Saranya Devi, K.**, Sharanya, M., Bari, K.K and Neethu, G. 2019. *In vitro* and *in vivo* screening on antidiabetic properties of *Hemidesmus indicus* in Alloxan induced diabetic rat model. *Research and Review: Journal of Herbal science*, 8(2):1-6. ISSN: 2278-2257 (Online), ISSN: 2348-9553 (Print).
6. **Saranya Devi K**, Firos, A, Esther Anju, A, Thushara U, Resmi V and Jency Priya P. 2019. A study on antibiotic susceptibility pattern of *Staphylococcus aureus* isolated from Acne and the evaluation of antistaphylococcal activity using natural herbs. *Research and Review; Journal of Herbal science*, 8(1):21-31. ISSN: 2278-2257 (Online), ISSN: 2348-9553 (Print).
7. Mohan V, **Saranya Devi K** and M. Santhiya. 2018. *Gmelina arborea* rhizomicrobiome as potential plant growth promoter and antagonistic agent against *Fusarium oxysporum*. *Journal of Academia and Industrial Research*, 6(11):207-212. ISSN: 2278-5213. **Impact factor-0.406**
8. **Saranya Devi. K** and V. Mohan. 2017. Screening and molecular characterization of salt tolerant bio-control bacterial isolates from Casuarina equisetifolia rhizosphere soil. *Asian Journal of plant pathology*. 11(4), 156-166. DOI: 10.17311/ajppaj.2017.156.166 Impact factor: 0.42
9. Mohan V, **Saranya Devi K.**, A. Anushya, G. Revathy, G. Viji Kuzhalvaimozhi and K.S. Vijayalakshmi. 2016. Screening of Salt Tolerant and Growth Promotion Efficacy of Phosphate Solubilizing Bacteria. *Journal of Academia and Industrial Research*, 5(12): 168-172, ISSN: 2278-5213. **Impact factor-0.406**
10. R.Srinivasan, V. Mohan, K. Amaravathy, **Saranya Devi K.**, 2016. Molecular characterization of melanin pigment producing Actinomycetes. *Indian Journal of Applied Microbiology*. 19(1): 9-20. ISSN 2454-289X (online) 2454-289X (print).
11. **Saranya Devi. K**, Sruthy. P.B, Anjana. J.C and J. Rathinamala, 2015. Identification of bioactive compounds and toxicity study of *Araucaria columnaris* bark extract on human embryonic kidney cell line. *Asian Journal of Biotechnology*, 7 (3): 129-136, ISSN 1996-0700. DOI: 10.3923/ajbkr.2015.129.136 **Impact factor: 0.60**
12. **Saranya Devi K.** and V. Mohan, 2015. Antagonistic potential and plant growth promoting traits of *Achromobacter xylooxidans* isolated from tannery sludge samples. *Annals of biological research*, 6(6): 21-25, ISSN 0976-1233.
13. V. Mohan and **Saranya Devi K**, 2015. Selection of potential isolates of Plant Growth Promoting Rhizobacteria (PGPR) in conferring salt tolerance under *in vitro*. *Journal of Academia and Industrial Research*, 4(3): 91-99, ISSN 2278-5213, **Impact factor-0.406**
14. V. Mohan and **Saranya Devi K**, 2015. Diversity status of beneficial microorganisms in heavy metal polluted tannery effluent treatment area in Dindugal, Tamil Nadu. *Journal of Academia and Industrial Research*, 3(13): 1-5, ISSN 2278-5213. **Impact factor-0.406**

15. **Saranya Devi. K** and Sowndaram. S, **2014**. Biological control of rhizobacteria against rice diseases caused by *Rhizoctonia solani* (Sheath blight) and *Sarocladium oryzae* (Sheath rot), *International Journal of Advanced Research.*, 2014, 2(5): 818-823, ISSN 2320-5407. **Impact factor: 4.588.**
16. V. Mohan, **Saranya Devi K**, R. Srinivasan and K. Sushamani, **2014**. *In-vitro* evaluation of Chromium tolerant plant growth promoting bacteria from Tannery sludge sample, Dindugal, Tamil Nadu, India. *International Journal of Current Microbiology and Applied Science.*, 3(10):336-344, ISSN 2319-7706 (online) 2319-7692 (print). **Impact factor: 2.015, NAAS-5.38**
17. **Saranya Devi. K**, Sruthy. P.B, Anjana. J.C, Rathinamala J and S. Jayashree, **2014**. Study on antibacterial activity of natural dye from the bark of *Araucaria Columnaris* and its application in textile cotton fabrics, *Journal of Microbiology and Biotechnology Res.*, 4 (3):32-35, ISSN 2231 –3168. **SJIF: 3.55**
18. **Saranya Devi. K**, J. Rathinamala and S. Jayashree, **2014**. Bio-Fungicide potential of *Araucaria Columnaris* (Cook Pine) aqueous resin extract against major Phytopathogens. *Journal of Chemical Biological and Physical science.* 4(3): 2108-2112, E- ISSN 2249 –1929. **Impact factor: 1.082**
19. **Saranya Devi. K**, J. Rathinamala and S. Jayashree, **2014**. Phytochemical and therapeutic effect of *Araucaria columnaris* resin extracts on clinical pathogens. *European Journal of molecular biology and biochemistry.* 1(5):182-185, E -ISSN 2348-2206.
20. **Saranya Devi. K**, Sruthy. P.B, Anjana. J.C, J. Rathinamala and S. Jayashree, **2013**. GC-MS analysis of phytocomponents in resin of *Araucaria columnaris* (cook pine) and its medicinal uses, *International Journal of applied biology and pharmaceutical technology.* 4(3):272-276, ISSN 0976-4550. **Impact factor: 0.9860.**
21. V. Mohan, M. Madhumitha, Sangeetha Menon and **Saranya Devi K.**, **2013**. Isolation and screening of potential dye decolorizing bacteria from Textile dye effluents in Tamil Nadu, India. *Journal of Academia and Industrial Research*, 2(2):74-79, ISSN 2278-5213. **Impact factor-0.406**

REVIEW ARTICEL

1. **Saranya Devi. K**, **2021**. A Comprehensive Review on Emerging and Re-emerging Zoonotic Viral Diseases: A Major Threat to Human Beings. *Journal of Academia and Industrial Research.*, Volume 9, Issue 3, Pages 61-68. ISSN: 2278-5213.

NEWSLETTER

1. V. Mohan and **K. Saranya Devi**, **2015**. Study on the status of beneficial microbes from Afforested Textile and Urban Waste Water Polluted Sites in Tirupur, Tamil Nadu. *Envis Newsletter*, Microorganisms and Environment Management, 13(1): 1-6, ISSN-0974-1550.

BOOK CHAPTERS

1. Sanjil C, Megha Nageri and **Saranya Devi K**. **2023**. A Review on Microbe Based Food Colourant from Bacteria. *Advances in Essential Oils and Natural Products*. In: (Eds) Dr. Rakesh Kumar Joshi,. AkiNik Publications, New Delhi, vol (3) 89-109. ISBN: 978-93-5570-568-6, Book DOI: <https://doi.org/10.22271/ed.book.2083>
2. **Saranya Devi K**, **2020**. Bio-Remediation of Oil Spills in Marine Ecosystem using Microorganism. *Research Trends in Environmental Science*, In: (Eds) Poonam Sharma. AkiNik Publications, New Delhi, vol (5), Pp: 83-89. ISBN: 978-93-90420-74-2. <https://doi.org/10.22271/ed.book.967>
3. V. Mohan, **Saranya Devi K**, R. Srinivasan and Sangeetha Menon. **2017**. Status of beneficial microbes and their role as bio-inoculants for reclamation of saline areas in Tamil Nadu. *Microbes for restoration of degraded ecosystem*. In: Eds (D, Joseph Bagyaraj and Jamaluddin) New India Publishing Agency, New Delhi. India. pp. 297-316.

CONFERENCE PROCEEDING

1. **Saranya Devi K** and V.Mohan. **2023**. Isolation and screening of plant growth promoting exopolysaccharide (EPS) producing bacteria from *Eucalyptus* rhizosphere soil. Proceedings of International Conference on Environmental, Agricultural, Chemical and Biological Sciences. Journal of Environmental and Applied Bioresearch. ISSN 2319 8745. ICEACBS2023, May 13 &14, 2023.
2. Sruthy.P.B, **Saranya Devi. K**, Anjana. J.C., J. Rathinamala and S. Jayashree. **2012**. Green synthesis of silver nano particles using *Alternanthera sessilis* leaf extracts and their applications in medical field. *World academy of science, Engineering and Technology*, 69, 391-398. (Held at Singapore).

RESEARCH CREDENTIALS

Entries of microbial nuclei acid sequencing in NCBI (Genbank)

Sl. No	Organism name	NCBI Accession number	Authors
1	<i>Azospirillum thiophilum</i>	MH388301	Saranya Devi. K and V. Mohan
2	<i>Azospirillum lipoferum</i>	MH388302	Saranya Devi. K and V. Mohan
3	<i>Bacillus safensis</i>	KY020051	Saranya Devi. K and V. Mohan
4	<i>Bacillus megaterium</i>	KY563069	Saranya Devi. K and V. Mohan
5	<i>Enterobacter hormaechei</i>	KY563070	Saranya Devi. K and V. Mohan
6	<i>Bacillus pumilus</i>	KX023322	Saranya Devi. K and V. Mohan
7	<i>Bacillus cereus</i>	KX017474	Saranya Devi. K and V. Mohan
8	<i>Achromobacter xylosoxidans</i>	LK391696	Saranya Devi. K and V. Mohan
9	<i>Bacillus subtilis</i>	LK391698	Saranya Devi. K and V. Mohan
10	<i>Micrococcus luteus</i>	LK391697	Saranya Devi. K and V. Mohan
11	<i>Bacillus subtilis</i>	LK391699	Saranya Devi. K and V. Mohan
12	<i>Azotobacter vinelandii</i>	LK391700	Saranya Devi. K and V. Mohan
13	<i>Azotobacter vinelandii</i>	LK391702	Saranya Devi. K and V. Mohan
14	<i>Azospirillum lipoferum</i>	LK391703	Saranya Devi. K and V. Mohan
15	<i>Streptomyces variabilis</i>	MF682452	Saranya Devi. K and V. Mohan
16	<i>Streptomyces smyrnaeus</i>	MF682453	Saranya Devi. K and V. Mohan
18	<i>Streptomyces qinglanensis</i>	MF682454	Saranya Devi. K and V. Mohan
19	<i>Streptomyces variabilis</i>	MF682286	Saranya Devi. K and V. Mohan
20	<i>Trichoderma viride</i>	MF170858	Saranya Devi. K and V. Mohan
21	<i>Penicillium citrinum</i>	MF170859	Saranya Devi. K and V. Mohan
22	<i>Acremonium borodinense</i>	MF170860	Saranya Devi. K and V. Mohan
23	<i>Periconia variicolor</i>	MF170861	Saranya Devi. K and V. Mohan
24	<i>Trichoderma viride</i>	MF170862	Saranya Devi. K and V. Mohan
25	<i>Bacillus haynesii</i>	MN880435	Saranya Devi K , Anjana M, Sneha K.D, Nithya K, AthiraV, Devika N and Hisana Mumthas A.R (2020)
26	<i>Stenotrophomonas maltophilia</i>	MN880434	Saranya Devi K , Anjana M, Sneha K.D, Nithya K, AthiraV, Devika N and Hisana Mumthas A.R (2020)
27	<i>Pseudomonas aeruginosa</i>	MN880486	Saranya Devi K , Anjana M, Sneha K.D, Nithya K, AthiraV, Devika N and Hisana Mumthas A.R (2020)
28	<i>Saccharomyces cerevisiae</i>	MZ734501	Athira Theresa Tom and Saranya Devi K (2021)
29	<i>Aeromonas veronii</i>	MZ734495	Divya A and Saranya Devi K (2021)
30	<i>Kosakonia cowanii</i>	ON030709.1	Anagha R, Arjun K.B, Ramesh R, Ranjith K Moorthi, Vinaya A, Saranya Devi K (2022)
31	Uncultured <i>Microbacterium</i> sp	OR206509	Saranya Devi K . and Thara S (2023)
32	<i>Pseudomonas mendocina</i>	OQ970540	Saranya Devi K . and Thara S (2023)

PAPERS/POSTERS PRESENTED

1. **Saranya Devi. K** and V. Mohan. **2023**. Isolation and screening of plant growth promoting exopolysaccharide (EPS) producing bacteria from Eucalyptus rhizosphere soil **presented a paper** in International conference on Environmental, Agricultural, Chemical and Biological Sciences, held at Srimad Andavan Arts and Science College, Tiruchirappalli, Tamilnadu, India, on May 13-14 2023. **(Got Best Presentation Award)**.
2. M. Sandhya, **Saranya Devi. K** and V. Mohan, **2015**. Study on phosphate solubilising and phytohormone (Indole Acetic Acid) producing microbes from *Aegle marmelos* rhizosphere soil” **presented a paper** in National conference on Innovative approaches in Biosciences held at Sree Narayana Guru College, Coimbatore on 12th Feb 2015.
3. **Saranya Devi. K.**, P.B. Sruthy., J.C. Anjana., J. Rathinamala and S. Jayashree, **2012**. “Bioprotective activity of *Araucaria columnaris* resin and its application in cotton crepe bandage” **presented a poster** in Louis Pasteur memorial international symposium on Harnessing microbes for human health and resource recuperation-ISHM 2012 held at Dr. N.G.P Arts and Science college, Coimbatore. **(Poster won 2nd prize)**.
4. **Saranya Devi. K.**, P.B. Sruthy., J.C. Anjana., J.Rathinamala and S. Jayashree, **2012**. “GC-MS analysis of phytocomponents in resin of *Araucaria columnaris* (cook pine) and its medicinal uses” **presented a poster** in Regional science congress on Science for shaping the future of India held at Kongunadu Arts and Science College, Coimbatore.
5. Anjana. J.C., J.S. Dileep., **K. Saranya Devi.**, J. Rathinamala and S.Jayashree. **2012**. “Study on Phytochemical, antimicrobial and antioxidant activities of *Mimusops elengi*” **presented a paper** in National conference on Innovative approaches in biosciences held at Sree Narayana Guru College, Coimbatore.
6. Sruthy .P.B., J.S. R. Meera., **K. Saranya Devi.**, J. Rathinamala and S.Jayashree. **2012**. “Biological synthesis of silver nanoparticles using *Eclipta alba* and *Eclipta prostrate* leaf extracts and evaluation of their antimicrobial efficacy” **presented a paper** in National conference on Innovative approaches in biosciences held at Sree Narayana Guru College, Coimbatore.
7. V. Mohan., S. Anitha, Sangeetha menon., **K. SaranyaDevi** and N. Krishna kumar. **2012**. “Saline tolerant microbes – A boon for amelioration of salt affected areas of Tamil Nadu and Puducherry” **presented paper** in National conference on Forester vision- 2023 held at Tamil Nadu Forest Department, Forest Campus, Coimbatore.
8. Sruthy .P.B., **K. Saranya Devi.**, J. Rathinamala and S. Jayashree, **2011**. “The Uniqueness of microorganisms in the gut of earthworm *Eudrilus euginae*” **presented a poster** in an International conference of Association of Microbiologists of India on “Microbial Biotechnology for sustainable Development” organized by Punjab University, Chandigarh.

SEMINARS/CONFERENCES ATTENDED

1. Attended **two-hour online workshop** on ‘**Research Management Tools**’ organised by Lilly of the Valley, Skill Development Centre, India on Feb 25, **2023**.
2. Attended one day state level seminar on “**Microbiological Aspect of Food Safety and Quality Assurance**” organised by KSCSTE and St Mary’s College Thrissur on 21st Feb **2023**.
3. Participated

4. Attended **One day workshop** on “**Plastic pollution control**” held at Ahaila Engineering College, on 19th DEC 2019.
5. Participated two days national seminar on ‘**Bioprospecting in agricultural and medicine**’ held at Bharathiar university, Coimbatore on 3rd and 4th Oct 2019.
6. Participated in one day **National seminar** on ‘**Proteins and prospects**’ held at Govt. Arts and Science college, Kozhijampara, Palakkad on 22nd Nov 2018.
7. Participated in two-day **National seminar** on ‘**Go green with microbes**’ held at Govt. Arts and Science college, Kozhijampara, Palakkad on 10th and 11th Oct 2017.
8. Participated in **International day for biological diversity** held at IFGTB, Coimbatore on 22nd May 2013.
9. Participated in **National conference on “Forestry vision- 2023”** held at Tamil Nadu Forest Department, Coimbatore held on June 2012.
10. Participated in a **National level seminar on “Bio-Safety Management and Good Laboratory Practices”** at Kongunadu Arts and Science College, Coimbatore held on 4th February, 2012.
11. Participated in a **National level seminar on “Forest health management”** at Institute of forest genetics and tree breeding, Coimbatore held on 21-22 March 2012.
12. Participated in a **National Conference on “Current trends in advanced biomedical technology”** at Nehru Arts and Science College, Coimbatore held on 20th & 21st September 2011.
13. Participated in a **National Conference on “Innovative Approaches in Bio-Sciences”** at ‘Sree Narayana Guru College’, Coimbatore held on 26th February 2010.
14. Participated in a **National Conference on “Innovative Approaches in Bio-Sciences”** at ‘Sree Narayana Guru College’, Coimbatore held on 27th February 2009.

WEBINAR ATTENDED

1. Participated **National level webinar** on ‘**AI tools for Academic Research**’ organized by Jain University, Global Campus, Bangalore on 31st May 2023.
2. Attended online webinar on **UGC-Sponsored Webinar on 21ST Century Education: Changing Role of Teachers** organized by UGC-HRDC, Bharathidasan University held on 07/09/2022.
3. Attended online webinar on **UGC-Sponsored Webinar on Changing Role of Teachers: NEP (2020) Perspectives** organized by UGC-HRDC, Bharathidasan University held on 08/09/2022.
4. Attended online webinar on “**New Education Policy: Challenges and Prospective**” Organized by the Department of Arts & Social Work in association with IQAC, Shri Sai Baba Aadarsh Mahavidyalaya Ambikapur, Surguja, Chhattisgarh held on 25th Aug 2020. E-certificate ID No.- ECASIY-CE000176.
5. Attended online webinar on ‘**National Educational Policy 2020; Problems and Prospects for Higher Education**’ held on 16th Aug 2020 organized by SAFI Institute of advanced stud, Malappuram, Kerala.
6. Attended online webinar on ‘**Smarter Strategies for Biodiversity Conservation**’ held on 25th June 2020 by IFGTB, Coimbatore.
7. Attended online webinar on ‘**An Insight on Intellectual Property Right**’ held on 25th July 2020 organized by SAFI Institute of advanced study, Malappuram, Kerala.
8. Attended online webinar on ‘**Understanding the Mysteries of Microbial Ecology**’ held on 22nd June 2020 organized by Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home science and Higher Education for women, Coimbatore. E-certificateID:7NI4QC-CE000068.

9. Attended online webinar on ‘Immune Responses to Sars-Cov-2 And Related Infections’ held on 8th June 2020, organized by Kristu Jaynti College, Bengaluru.
10. Attended online webinar on ‘Covid 19 Understanding Its Epidemiology’ held on 14th May 2020 organized by Indian Academy Degree College, Bangalore.
11. Attended online webinar on ‘Bacterial Virulence; Perceptive and Pragmatic Approach’ held on 5th May 2020 organized by Indian Academy Degree College Bangalore, India. (certificate id-9UJU08-CE000792).
12. Attended online webinar on ‘Global Race to Develop Covid -19 Vaccine’ held on 6th sep 2020 organized by Saw. Sawarkar Arts, Science and Commerce College, Beed, Maharashtra, in association with Microbiologist Society, India.

TRAINING ATTENDED

1. Attended 3-day training programme on “Biodiversity Act 2002” held at Institute of Forest Genetics and Tree Breeding, Coimbatore on 17-19 Feb 2016.
2. Participated in a Training programme on ‘Innovative technique in urban forestry’ funded by Department of Environment, Chennai held at IFGTB on March 1st and 2nd 2012.
3. Medical Laboratory Training programme at Thangam Hospital, Palakkad, Kerala, during the year 2007 for 15 days.
4. 2.Mushroom cultivation Technology a short-term course at Sree Narayana Guru college, Coimbatore, during the year 2009-2010.

ACADEMIC DUTIES/RESPONSIBILITY

1. Green Campus/Green Audit coordinator (2023 onwards)
2. Bhoomitrasena club coordinator (2019 onwards)
3. Scholarship- Institutional nodal officer (June 2021 onwards)
4. Womens harassment cell member (2019-2021 March)
5. Microbiology department grievance cell coordinator (2022)

PG RESEARCH PROJECTS GUIDED

Sl. No	Student name and Reg No	Year	Project title
1.	Thara Shaji GNAVMMB018	2022-2023	A study on multifactorial role of <i>Azolla pinnata</i> (water fern) and its endophytic bacteria.
2.	Anagha R GNAUMMB003	2021-2022	Identification of new bacterial pathogen <i>Kosakonia cowanii</i> from citrus plants and its biological control measures.
3.	Divya A GNATMMB006	2020-2021	Isolation and molecular characterization of pigment producing bacteria and their textile application.
4.	Athira Theresa Tom GNATMMB007	2020-2021	Exploration and utilization of exo-polysaccharide producing probiotic yeast from different fermented foods.
5.	Anjana M GNASMMB002	2019-2020 (KSCSTE sponsored)	Study on the antagonistic activity of neem endophytic bacteria against rice sheath blight causing fungi <i>Rhizoctonia solani</i> .

UG RESEARCH PROJECTS GUIDED

Sl. No	Students name and Reg No	Year	Project title
1.	Fathima Riswana P GNAUSMB006 Fathima Tanzeel Z GNAUSMB007 Gayathri S GNAUSMB008 Mashitha P S GNAUSMB009	2022-2023	Application of <i>Clitoria ternatea</i> (shankupushpam) flower extract as natural antimicrobial dye in textile cotton fabric and its phytochemical studies.
2.	Lincy D, GNAUSMB046 Mahalakshmi P GNAUSMB047 Nanditha, GNAUSMB048 Saranya M, GNAUSMB049	2022-2023	Isolation and identification of Bacteria associated with skin lesions of cow and Plant-Based Alternatives to their Antibiotics Treatment
3.	Vinaya, GNATSMB024 Arjun K B, GNATSMB025 Ramesh.K, GNATSMB026 Ranjith K Moorth GNATSMB027	2021-2022	Isolation and molecular identification of citrus diseases causing bacteria <i>Kosakonia cowanii</i> and its biological control using different botanicals.
4.	Gopika K, GNASSMB005 Arun M, GNASSMB012 Arya U, GNASSMB020 Lavanya P, GNASSMB027	2020-2021	A study on isolation and molecular characterization of bio-control bacteria against major plant pathogens.
6.	Athira V, GNARSMB003 Nithya K, GNARSMB007 Sneha K D, GNARSMB013 Devika, GNARSMB018 Hisana, GNARSMB032	2019-2020	Isolation and molecular characterization of <i>Azadirachta indica</i> endophytic bacteria with Bio-control and Plant Growth Promoting activity.
7.	Ashifa K.F. GNAQSMB005 Gayathri Devi S. GNAQSMB010 Prayag P. GNAQSMB013 Remiz Raja S. GNAQSMB015	2018-2019	Effect of probiotics and prebiotics on multidrug resistant <i>Salmonella</i> from broiler chicken and detailed study on bioactive compounds using GC-MS.
8.	Athira C GNAPSMB003 Shyama P Nair GNAPSMB008 Henna Hameed V.V. GNAPSMB020 Radha T GNAPSMB021 Mridul Lal Lakshmanan P V GNAPSMB025	2017-2018	Isolation and characterization of <i>Oryza sativa</i> rhizobacteria for its bio-control and plant growth promoting potential.
9.	Resmi V L. GNAPSMB006 Thushara U GNAPSMB010 Esther Anju A. GNAPSMB019 Firos Akakrakkadan GNAPSMB024 Jency Priya P GNAPSMB029	2017-2018	A study on isolation and characterization of <i>Staphylococcus aureus</i> from acne (pimple) and its control measures.

10.		2017-2018	Microbiological quality assessment of commercially available herbal baby cosmetic products in Kozhinjampara, Palakkad district.
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SUBJECTS HANDLED FOR UG AND PG STUDENTS

- ♣ Environmental Microbiology
- ♣ Soil and Agricultural Microbiology
- ♣ Food and Dairy Microbiology
- ♣ Genetics and Genetic Engineering
- ♣ Biodiversity
- ♣ Natural resource management
- ♣ Diagnostic Microbiology
- ♣ Bioinformatics

OTHER ACHIEVMENTS

- ♣ Won 1st prize in Sub-District and District level (Palakkad, Kerala) **FABRIC PAINTING** competition at high school level.

PERSONAL PROFILE

- ♣ **Name** : Dr. Saranya Devi. K
- ♣ **Date of Birth** : 15.05.1988
- ♣ **Husband Name & Designation** : Dr. M. Mahesh Kumar, Associate Professor and Head-Dept of Commerce-CA, Sri Krishna Adithya College of Arts, Coimbatore.
- ♣ **Nationality** : Indian
- ♣ **Mother Language** : Tamil
- ♣ **Languages Known** : English, Tamil, Malayalam
- ♣ **Computer knowledge** : DTP (Desktop publishing), Photoshop, Basic statistical analysis.
- ♣ **Address for communication** :D/o Kalaivana, Valara, Nattukal (PO), Palakkad (DT)-678554

REFERENCE

- ♣ **Dr. V. Mohan**
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Mobile No: 9443426214

Declaration

I hereby declare that the above-mentioned details are true to the best of my knowledge and belief.

Place:

Yours faithfully,

Date:

SARANYA DEVI. K