

CURRICULAM VITAE

Name : Dr. V. LAVANYA

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Tamil Nadu, India

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OBJECTIVE

Expert in implementing modern, and effective teaching strategies that promote class engagement and champion learner's achievements. I am looking for College Assistant Professor role in the Life science Department to contribute the academic integrity.

ACADEMIC QUALIFICATION

Course	Name of institution	Board of study	Month & Year of Passing	Percentage & Class
Ph.D., Botany	Thiagarajar College	Madurai Kamaraj University	September, 2023	Highly commendable
M. Phil., Botany	Thiagarajar College	Madurai Kamaraj University	April, 2016	79.5% First class
M. Sc., Botany	Thiagarajar College	Madurai Kamaraj University	April, 2015	78.36% First class with distinction
B.Sc., Botany	Thiagarajar College	Madurai Kamaraj University	April, 2013	77.78% First class with distinction (2 nd Rank holder)
Higher secondary	Nirmala Girls Hr.sec. school	Tamil Nadu State Board	April, 2010	74.5%
SSLC	Nirmala Girls Hr.sec. school	Tamil Nadu State Board	April, 2008	85.6%

TEACHING EXPERIENCE

- ✓ Assistant professor of Biochemistry in Sourashtra College, Madurai, from December 2024 to till now

TECHNICAL SKILLS LEARNT

- ✓ HDCA (Honours Diploma in Computer application).
- ✓ Advanced level of biostatistical analysis using computer software programmes (SPSS)
- ✓ Diploma in medicinal plant

TRAINING COURSE

- ✓ Hands on training on chromatography - PG & Research Department of Chemistry, Thiagarajar College, Madurai, India. Duration: 2 days
- ✓ Plant Tissue Culture and its Application Held at Institute of Forest Genetics and Tree Breeding (IFGTB), GSDP, Coimbatore, Tamil Nadu- Duration: 2 months
- ✓ Small and Medium Scale industries: How to reduce Emission & Increase Circularity” Held at the Centre for Science and Environment, New Delhi- Duration: 4days

FELLOWSHIP

Post-Graduate Merit scholarship for University Rank holders, sponsored by University Grants commission,
Duration: 2013-2015

PATENT

Application No: 202241044350, dt 03-08-2022; **Title:** Bioremediation of Pickle Industry Effluent using Effective Microorganisms™ and Method Thereof; **Authors:** D. Kannan and V. Lavanya; **Granted in:** 08/01/2024. **Patent No:** 496079

WORKSHOP/CONFERENCE CONDUCTED

- Contributed to organizing Member of “Art Meets Science: A Scientific Art Workshop” was held at Department of Microbiology and Biochemistry (25 July, 2025), Sourashtra College, Madurai-4
- Contributed to organizing Member of “One Day International Conference on Innovation Advances in Biological Science (IABS-2025)” was held at Department of Microbiology and Biochemistry (28 Aug 2025), Sourashtra College, Madurai-4

RESEARCH PROFILE IN VARIOUS WEBSITES

Google Scholar: <https://scholar.google.com/citations?user=esDUXdQAAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0003-1200-0676>

Research Gate: <https://www.researchgate.net/profile/Lavanya-v-2>

Web of science: <https://www.webofscience.com/wos/author/record/A-1461-2019>

PUBLICATIONS

- ❖ Kannan, D., Mahesh, M. and Lavanya, V., 2025. Status of water quality of surface water and groundwater sources in a wetland ecosystem: Insights from Vettangudi bird's sanctuary. *Journal of Contaminant Hydrology*, p.104701. DOI: 10.1016/j.jconhyd.2025.104701 **IF-4.4**
- ❖ Lavanya, V., Kannan, D., 2024. Enhancing physico-chemical water quality in recycled dairy effluent through microbial consortium treatment, *Heliyon*, 10 (21), e3950, DOI: 10.1016/j.heliyon.2024.e39501, **IF- 3.9**
- ❖ Lavanya, V., Rathinabala, K., Kannan, D., 2023. Determination of fiber yield and quality in cotton cultivars, applied with biologically reclaimed greywater, *Industrial Crops & Products*, 201, 116921. DOI: 10.1016/j.indcrop.2023.116921, **IF- 5.9**
- ❖ Lavanya, V., Kannan, D., 2023. Recycling of wet grinding industry effluent using effective Microorganisms™ (EM), *Heliyon* 9 (2): e13266. **IF- 4** DOI: 10.1016/j.heliyon.2023.e13266
- ❖ Lavanya, V., Kannan, D., 2023. Microbial Populations Occurrence in the Domestic Wastewater and Food Industry Effluents, *Research Journal of Microbiology* 14(1):45-56. DOI: 10.17311/rjm.2023.46.56 **IF- 0.1**

- ❖ **Lavanya, V.,** Mohan, E., 2023. An Assessment of the Phytochemical Properties and Antimicrobial Activity of Selected Tree Species. *Research & Reviews: Journal of Botany*. 12(1): 1–6p. DOI: 10.37591/rrjob.v12i1.3622 **SJIF- 6.438**
- ❖ **Lavanya, V.,** Janani, K., Rathinabala, K., and Kannan, D., 2022. Yield and Quality of *Panchagavya* and *Trichoderma viride* Applied Cotton." *International Journal of Agricultural Research* 17: 14-21. DOI: 10.3923/ijar.2022.14.21 **IF- 0.58**
- ❖ **Lavanya, V.,** Kannan, D., 2019. Grey Water Treatment Using Effective Micro-organisms and its Impact on Water Qualities, *Journal of Applied Sciences* 19(3):188-198 DOI: 10.3923/jas.2019.188.198. **IF- 0.44**

CONFERENCE PROCEEDING

Kannan, D., **Lavanya, V,** 2017. Recycling of wet grinding food industry through Bioremediation approach, using Effective Microorganisms, National conference, NCWECCS 2017' Waste To Energy Carbon Capture And Storage'(Ed S. Murugan, P. Balasubramanian, S. Rangabhashiyam) pp. 2-8.

PROJECTS DONE

Course and Project Duration	Project Title
B.Sc., (2012-13'-06 months) Guide: Dr. M. Eyini	Isolation and characterization of melanin nanoparticles from <i>Rhizoctonia solani</i> .
M. Sc., (2013-15'-06 months) Guide: Dr. E. Mohan	Screening of Bioactive compounds and antimicrobial activity of selected tree species.
M. Phil., (2015-16'-09 months) Guide: Dr. D. Kannan	Influential Role of Bioremediation Process on the Grey Water Treatment using Effective Microorganisms.
Ph.D., (Dec 2016- Feb23') Guide: Dr. D. Kannan	Recycling of Effluents using Effective Microorganisms and quality analysis, following bioremediation means of waste water treatment.

WORKSHOP PARTICIPATED

- 2017-Workshop on Intellectual Property Rights and Innovation - PG & Research Department of Chemistry, Thiagarajar College, Madurai, India.
- 2015- Workshop on Plant Tissue Culture: A Biotechnology Tool - Department of Plant Morphology and Algology, School of Biological sciences, Madurai Kamaraj University, Madurai, India.
- 2012- Workshop and Exhibition on Herbs and Drugs- PG & Research Department of Chemistry, Thiagarajar College, Botany, India.

CONFERENCE PRESENTATION

Year	Name of conference	Title
2019	DST- SERB sponsored International Conference on Emerging Contaminants in Water and Environment (ECWE-2019) PSG Institute of Advanced studies Coimbatore.	Removal of contaminants from the domestic and food industry effluents
2019	Madurai symposium 19 (Centre for Urban water Resource -CURE), Dhan foundation, Madurai.	Technology for water security: Biological treatment of recycling grey water and food-industry effluent
2018	National Seminar on Water quality & treatment(WQT-18), Madurai kamaraj university, Madurai	Determination of recycled wet grinding industry effluent water quality treated using effective microorganisms at laboratory conditions
2018	International seminar on Waste Management, Thiagarajar College, Madurai	Acquiring real human value system in India through the adoption of Effective Liquid waste Management
2017	National Seminar on Resent Advances in Plant Biology, SFR college for women, Sivakasi	Recycling of waste water from wet grinding food industry through Bioremediation approach, using Effective microorganisms
2017	National conference on NCBP - Biological processes- issues, challenges and opportunities, MEPCO Schlenk Engineering college, Sivakasi	Bioremediation potential of Effective microorganisms TM in recycling the domestic and food industry effluents
2016	9 th NABS Opportunities and challenges for sustainable development, Madurai Kamaraj University, Madurai	Efficacy of grey water recycling through effective micro-organisms for improved biological quality
2015	RAIBSDE - Recent Advances in Industrial Biotechnological skills Development, Thiagarajar College, Madurai	Screening of Bioactive compounds and antimicrobial activity of selected tree species.
2015	BMC- Biomaterials in Medicinal Chemistry, Madurai Kamaraj University, Madurai	Isolation and characterization of melanin nanoparticles from <i>Rhizoctonia solani</i> .

PERSONAL DETAILS

Name : **Dr. V. LAVANYA**
 Gender : Female
 Mother's name : Mrs. V. Revathi
 Father's name : Mr. R. Velmurugan
 Date of Birth : 23.4.1993
 Age : 31 yrs
 Marital status : Single
 Nationality : Indian
 Email : lavanyagowri234@gmail.com
 Language fluency : Tamil (Mother tongue), English (To speak, read and write)
 References : Dr. D. Kannan
 Associate professor (Retired)
 Department of Botany, Thiagarajar College, Madurai- 625 009
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 Dr. E. Mohan
 Head & Associate professor, Department of Botany
 Thiagarajar College, Madurai- 625 009

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Dr. M. Eyini

Principal, Associate professor (Retired)

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Email: jeyini2010@gmail.com; Cell. No: 94426 25883

DECLARATION

I hereby declare that the above details furnished are true to the best of my knowledge.

V. LAVANYA