PROFILE

Name: D. Lakshmi Lavanya

Educational Qualifications: M.Sc Genetics & Plant Breeding

Designation: Assistant Professor

Department: Agriculture & Rural Development

Date of joining Maris Stella: 09.06.2025

I Academics

Degree	Institution/University	Year
M.Sc Genetics & Plant Breeding	Tamil Nadu Agricultural University	2022
B.Sc Horticulture	RVS Padmavathy College of Horticulture, Sempatti(affiliated to TNAU)	2020

II Professional Experience

Position Held	Institution	Year
Assistant Professor in Genetics & Plant Breeding	Maris Stella College, Vijayawada	2025
Technical Expert in Plant Tissue Culture	Centurion University, Bhuvaneswar	February 12. 2023- January 10. 2024

III Research Contributions

1. **Areas of Interest:** Hybrid seed production, Genetic improvement of crop plants, Agricultural pedagogy

1. Patents

Eco Cosmetics: An Environment – Friendly Cosmetic Formulation with Reduced Chemical & Synthetic Content
Date of Published : 06 - 03 - 2026

2.Research publications:

1. Latha, R., Lavanya, L. L., Shoba, D., Pillai, M. A., Kanchana Rani, S., & Arutkani Iyyanatha, K.(2024). Tagging of Yellow Mosaic Virus Resistance Gene Using SSR Markers in Black Gram(*Vigna mungo L. Hepper*). Plant Science Today.DOI: https://doi.org/10.14719/pst.4545.

2. Lavanya, D.L., Latha, R., Pillai,M. A., & Shoba, D.(2022). Study on YMV resistance and biochemical factors responsible for resistance in Blackgram(*Vigna mungo L.Hepper).* The Pharma Innovation Journal,11(9), 2265-2268.
3. Integrated Farming System (IFS)For Sustainable Livelihoods of Small and Medium Farmers International Journal of Agriculture and Food Science **ISSN Online: 2664-8458** page no : 401 - 403**h**ttps://www.agriculturaljournals.com **DOI:**https://www.doi.org/10.33545/2664844X.2026.v8.i3e.1274
4. Energy Pellet Production from Agricultural Waste for Reducing Fossil Fuel Consumption: A Review - Journal of Agriculture and Ecology Research International ***Volume 27, Issue 2, Page 117-132, 2026; Article no.JAERI.155222 ISSN: 2394-1073*** **DOI: https://doi.org/10.9734/jaeri/2026/v27i2746**
5. Magazine name : **Current Agriculture Trends**Title : **Water Crisis and Its Economic Impact on Agriculture ISSN (E): 2583 – 1933** ***Curr. Agri.Tren.:e-Newsletter,* (2026) *5*(4), 55-5Article ID: 619**
http://currentagriculturetrends.vitalbiotech.org/

3. Book Chapters

1. BOOK NAME :- **GENETIC FRONTIERS IN MODERN PLANT BREEDING**
Book Chapter: **Bioinformatics and Artificial Intelligence in Plant Breeding**
(Pg No 75 - 88) Vital Biotech Publication, ISBN: 978-93-48793-39-3.

2. BOOK NAME :- **Emerging Trends in Plant Pathology and Crop Protection**
Book Chapter: **Resistance Breeding and Genetic Engineering for Disease Control**
(Pg No 107 - 118) Vital Biotech Publication, ISBN: 978-93-48793-48-5