Maris Stella College (Autonomous), Vijayawada
Profile of Dr. P. Lakshmana Swamy

Name: Dr. P. Lakshmana Swamy

Educational Qualification: MS.c., Ph.D.

Designation: HoD

Department: Agriculture and Rural Development

Years of experience: 23

Maris Stella College: 6 (D.o.J 18.01.2020)

Other Institutions: 17

G Suite Email Id: agriculturaldept@marisstella.ac.in

Email Id: laxman.mphil@gmail.com

Contact No: 9866738303

Languages Known: English, Telugu, Hindi

Areas of Interest: Plant Biotechnology (Tissue Culture), Cell Biology & Crop Production and Protection Management.

Academic Contribution:

Teaching Assistant (Sri Venkateswara Veterinary University)	: 2008 to 2011
Junior Research Fellow (JRF)-DST (SERB) at SVVU	: 2011 to 2013
Senior Research Fellow (SRF)-DST (SERB) at SVVU	: 2013 to 2014
Assistant Professor & Head Crop Protection GFIA&RF	: 2015 to 2019
HoD (Maris Stella College)	: 2020 to Till Date

Industrial Experience

Technical Assistant at New R&D KCP sugar Industry	: 2002 to 2003
Production Manager (Trans Gene Biotechnology- Plant Tissue Culture)	: 2003 to 2005
Lab & R&D Manager (Atlantis Phyto Tech-Plant Tissue Culture)	: 2006 to 2007
Scientist R&D (Atlantis Phyto Tech-Plant Tissue Culture)	: 2007 to 2008

Contribution in BoS

BoS Member-Industrial Expert (VSR&NVR)	: 2015 to 2018
BoS Agriculture Subject Expert ALC	: 2020 to 2026
BoS Agriculture Subject Expert St. Theresa, Eluru	: 2021 to 2024
BoS Agriculture Subject Expert St. Josepha, Vizag	: 2021 to 2024
BoS Agriculture Subject Expert JMJ, Tenali	: 2021 to 2024
BoS Agriculture, Subject Expert SRR College, Vijayawada	: 2025 to Till Date
Adikavi Nannya University Nominee-Subject Expert St.Thereesa, Eluru	: 2024 to 2026

Published Patents

S.No.	Patent No. & Date of Published	TITLE
1	Patent No. 202641023323 A **Published Date: 06-03-2026**	Smart Solar Dehydration System for Multi-Crop Agricultural Processing
2	Patent No. 202641023319 A **Published Date: 06-03-2026**	A Smart Sensor-Integrated Automated Seed Sorting and Quality Evaluation System.
3	Patent No. 202641023316 A **Published Date: 06-03-2026**	Eco Cosmetics: An Environment-Friendly Cosmetic Formulation with Reduced Chemical and Synthetic Content
4	Patent No. 202641024151 A **Published Date: 06-03-2026**	An Eco-Friendly Spirulina Production Method Using Renewable Nutrient Sources.
5	Patent No. 202641062325 A **Published Date**: 29-05-2026	Smart Farmer Stick

Academic Profile:

Research Journals-International with High Impact Factor

1. **Lakshmana Swamy Parasa**, Acetone extracts of indigenous plants and culinary spices used in India revealed activity against clinical isolates of methicillin resistant Staphylococcus aureus (MRSA)., International Journal of Biological & Medical Research Int J Biol Med Res.2019 ;10(2):6739-6744.

2. Radhakrishnam Raju Ruddarraju , Adharvana Chari Murugulla, Ravindar Kotla, Muni Chandra Babu Tirumalasetty, Rajendra Wudayagiri, Shobha Donthabakthuni, Ravichandar Maroju, K. Baburao, **Lakshmana Swamy Parasa.:** Design, synthesis, anticancer, antimicrobial activities and molecular docking studies of theophylline containing acetylenes and theophylline containing 1,2,3-triazoles with variant nucleoside derivatives: European ***Journal of Medicinal Chemistry*** 123 (2016) 379-396 http://www.elsevier.com/locate/ejmech

3. **P Lakshmana Swamy,** V G N V Prasad, V Govind, T Srinivasa Rao, L Cyril Arun Kumar, G S Rao. *In-vitro* Investigation on Fibrinolytic Activity of Selected Indigenous Plants and Culinary Spices. ***Inventi impact: Ethnopharmacolo.*** 2013, (3):1-4.

4. Vinnakota Gangadhara Naga Vara Prasad, Bobba Vamsi Krishna, **Parasa Lakshmana Swamy**, Thumati Srinivasa Rao and G Srinivasa Rao. Antibacterial synergy between quercetin and polyphenolic acids against bacterial pathogens of fish. ***Asian Pac J Trop Dis*** 2014, 4 (Suppl 1): S326-S329.

5. VGNV Prasad, P **Lakshmana Swamy**, T Srinivasa Rao and G Srinivasa Rao. Antibacterial synergy between Oxytetracycline and Selected Polyphenols against Bacterial Fish pathogens. ***International Journal of Veterinary Science.*** 2013, 2(2): 71-74.
6. **P Laxmana Swamy**, Prasad V G N V, B Vamsi Krishna, T Srinivasa Rao, L Cyril Arun Kumar, G S Rao. In vitro Anticholinergic Activity of Selected Indigenous Plants on Sheep Airway Smooth Muscle. ***Inventi Rapid: Ethnopharmacology.*** 2013, (3):1-5.

7. **Parasa Lakshmana Swamy**, VGNV Prasad, B Vamsi Krishna, T Srinivasa Rao, L Cyril Arun Kumar and G Srinivasa Rao. In vitro anticholinergic activity of selected culinary spices on sheep airway smooth muscle. ***International Journal of Recent Scientific Research.*** 2013, 4(5): 649-653.
8. **Lakshmana Swamy Parasa,** L. Cyril Arun Kumar, Sirisha Para, Venkata Subba Rao Atluri, K. Santhisree, P. Raja kumar and C. Rattiah settee. Epidemiological survey of methicillin resistant *Staphylococcus aureus* in the community and hospital, Gannavaram, Andhra Pradesh, South India. ***Reviews in Infection***. 2010**,** 1(2): 117-123.
9. **Lakshmana Swamy Parasa,** L. Cyril Arun Kumar, Srinivasa Rao Tumati, Srinivasa Prasad Chiguripati, P. Raja kumar Venkata Subba Rao Atluri, K. Santhisree. Prevalence of Induced clinndamycin Resistant in methicillin resistant Staphylococcus aureus in Hospital population, Coastal Andhra Pradesh South India. ***Archives* of *Clinical Microbiology***. 2011, 2 (1:3). **doi:** 10:3823/221
10. **Lakshmana Swamy Parasa, T. Sunita, K. Babu Rao, A. Hanumantha Rao, J. Srinivasa Rao and L. Cyril Arun Kumar.** In Vitro – Acetone extract of Cashew (Anacardium occidentale, L.) nuts shelliquid against Methicillin resistant Staphylococcus aureus (MRSA) by minimum inhibitory concentration (MIC). ***Journal of chemical and pharmaceutical research***. 2011, 3(5):736-742
11. Raja Kumar Parabathina, **P. Lashmana Swamy**, V. V. S. N. Harikrishna, G. Srinivasa Rao and Kaza Somasekhara Rao. Potentially action of Vitamin-E, Morin, Rutin and Quercetin against the doxorubicin-induced cardiomyopathy. ***International Journal of Pharmacy and Pharmaceutical Sciences,*** 2011; 3(4) 280.

12. Raja Kumar Parabathina**, P. Lashmana Swamy, V.** V. S. N. Harikrishna, G. Srinivasa Rao and Kaza Somasekhara Rao Vitamin-E, Morin, Rutin, Quercetin prevents tissue biochemical changes induced by Doxorubicin in oxidative stress conditions: Effect on heart, liver and kidney homogenates, ***J. Chem. Pharm. Res***. 2010, 2(4):826-834.
13. Raja Kumar P., **Lakshmana Swamy P.**, Aswani Kumar K. and Somasekhara Rao K. Studies on thyroid profile (T3, T4 and TSH) in estrous, cyclic and anoestrous buffaloes. ***Buffalo Bulletin***. 2010, 29(2): 115.
14. Raja Kumar Parabathina**, Lakhmana Swamy Parasa,** Aswani Kumar Kamisetty and Somasekhara Rao Kaza. A Clinical Study of Lipid Profile in Hospital Population. ***International Journal of Biotechnology and Biochemistry***, 2009, 5 (3): 343–350.
15. **Lakshmana Swamy P**, VGNV Prasad, B Vamsi Krishna, T Srinivasa Rao, L Cyril Arun Kumar and G Srinivasa Rao; total antioxidant potential of selected Indigenous plants and culinary spices; Int.J.Res.Pharma.Sci., 5(1),64-69.
16. Venkata Subba Rao Atluri, Venkateswara Reddy Gogulamudi, Pratibha Singhi, Niranjan Khandelwal, **Lakshmana Swamy Parasa**, Nancy Malla. 2014. Pediatric neurocysticercosis: usefulness of antibody response in cysticidal treatment follow-up. BioMed Research International. Hindawi Publishing Corporation; Volume 2014, Article ID 904046, 8 pages http://dx.doi.org/10.1155/2014/904046.

17. Lakshmana Swamy Parasa, Acetone extracts of indigenous plants and culinary spices used in India revealed antibacterial activity against clinical isolates of methicillin resistant *Staphylococcus aureus* (MRSA)," International journal of biological and Medical Research. Biol Med Res.10(2):6739-6744.

18. Development of strategic plan for solid waste management and Bioconversion: a case study of Maris Stella College. Review of ReseaRch ISSN:2249-894XVolume13,Issue-1OctOber 2023https://oldror.lbp.world/UploadedData/14816.pdf

19. Knowledge and perception of farmers regarding agrochemical usage and toxic affected by rural farming villages of Krishna District, Andhra Pradesh, India. International Journal of Applied and Advanced Scientific Research (IJAASR) Impact Factor: 5.655, ISSN (Online): 2456 - 3080 (www.dvpublication.com) Volume 8, Issue 2, 2023.

20. Integrated Farming System (IFS) For Sustainable Livelihoods of Small and Medium Farmers, International Journal of Agriculture and Food Science page no : 401 – 403, **ISSN:** 2664-8458

21. Energy Pellet Production from Agricultural Waste for Reducing Fossil Fuel Consumption: A Review - ***Page 117-132,*** ournal of Agriculture and Ecology Research International ***ISSN: 2394-1073***

Conferences

FDP/Refresher Courses/Orientation Courses/Short Term Courses Attended:

1. Role of Atmanirbhar Bharat Abhiyan in Indian Economy during post COVID-19 Scenario, conducted by ADKNU & VSU.
2. The new face of higher education after COVID -19, conducted by Acharya Nagarjuna University.
3. Participating Three Days Online Faculty Development Programme conducted by Yogi Vemana University

International:

1. International Symposium on Emerging Trend in Biomedical and Nanobiotechnology: Relevence to Human. Organized by Dept. of Biotechnology and Dept. Of Nanotechnology, Acharya Nagarjuna University, Guntur, A.P, India. December 19-12, 2009.

National:

1. National seminar on Biomedical Appilications of Nanotechnology, organized by Dept. of Biotechnology and Dept. of Nanotechnology, Acharya Nagarjuna University, Guntur, A.P, India. March 06th 2010.

2. National seminar on Red and Green Biotechnology, organized by VSR&NVR College, Tenali, A.P, India. Jan 20th 2010.

3. National conference on Impact of Biotechnology on the sustainability of the environment. VSR&NVR College, Tenali, A.P, India. Nov 19th 2010

4. International Conference on Alternative medicine- at SVVU- ICAR sponsored international seminar, Titupati 2014

Webinars/FDP's

1.Role of Atmanirbhar Bharat Abhiyan in Indian Economy during post COVID-19 Scenario, conducted by ADKNU & VSU.

2.The new face of higher education after COVID -19, conducted by Acharya Nagarjuna University.

3.Participating Three Days Online Faculty Development Programme conducted by Yogi Vemana University

4.Concepts and Service learning Programme- IQAC, Maris Stella College, Vijayawada

5.Effective Implementation of NEP 2020: Role of teachers and Institution- IQAC, Maris Stella College, Vijayawada

6.Professionalism, work Ethics & Ethos for Professional growth- IQAC, Maris Stella College, Vijayawada

7.Research Methodology & Manuscript Writing on Service -Learning Programmes- IQAC, Maris Stella College, Vijayawada

8.Concepts and Service learning Programme- IQAC, Maris Stella College, Vijayawada

9.Concepts and Service learning Programme- IQAC, Maris Stella College, Vijayawada

10. One-day Training program on tools and AI- IQAC, Maris Stella College, Vijayawada

11. Participated in a five-day FDP during 2-5th June. 2025.

12. Participated in the Three-Day FDP Orientation-Cum-Capacity Building Workshop on Faculty as 'Academic Mentors: Student Support Systems & Inclusive Education Practices', organised jointly by George Zacharia during 08-10 June 2026 and has successfully completed all the assessments.

Academic Training Programs Attended:

1. Molecular biological tools and Techniques, SVVU, Tirupati
2. Plant tissue culture tools and Techniques, Hyderabad
3. Plant grafting techniques, Kadiyapulanka.
4. Organic Farming & ZBNF Training program, Adavinekkalam
5. Vertical gardening-Turmeric, Kakinada

Posters presented:

1. **Lakshmana Swamy Parasa,** L. Cyril Arun Kumar, Sirisha Para, K. Santhisree, P. Raja kumar Venkata Subba Rao Atluri and C. Rattiah Settee. Epidemiological survey of methicillin resistant *Staphylococcus aureus* in the community and hospital, Gannavaram, Andhra Pradesh, South India. International Symposium on Emerging Trend in Biomedical and Nanobiotechnology: Relevence to Human. Dept. of Biotechnology and Dept. Of Nanotechnology, Acharya Nagarjuna University, A.P, India.December 19-12, 2009.

2. **Lakshmana Swamy Parasa,** L. Cyril Arun Kumar, P. Raja kumar, K. Santhisree. Swine Flu – A High Risk Zoonotic Diseases. National seminar on Red and Green Biotechnology, organized by VSR&NVR College, Tenali, A.P, India. Jan 20th 2010.

3. **Lakshmana Swamy Parasa**, L.Cyril Arun Kumar, T.Srinivasa Rao, P. Raja Kumar, K.Santhisree , V.V.S.N.Hrikrishna, G.Srinivasa Rao. In Vitro – Antimicrobial Activity of Cashew (*Anacardium occidentale L*.) nuts shell liquid against methicillin resistant *Staphylococcus aureus* in the community and hospital (MRSA). National conference on Impact of Biotechnology on the sustainability of environment organized by VSR&NVR College, Tenali, A.P, India. 19th Nov 2010

Oral presented:

1.Anti-Bacterial Activity of Culinary spices against major pathogens of Fish at SVVU- ICAR sponsored international seminar, Titupati

Resource Person

1. Guest lecture on current and future plant tissue culture technology in India in VSR & NVR college Tenali dated on 10.07.2017.
2. Guest lecture on crop protection management of Agriculture crop to Agri Clinic and Agri Business Management students in Swarna Bharathi Trust, Atukur Village in 2016, 2017 & 2018 .
3. Guest lecture on Pest and Diseases of Horticulture crops and their Management in Andhra Loyola College Vijayawada date on 28.01.2022.
4. E.Tv Telugu Annadata Programme talk: to Agri Clinic and Agri Business Management 2018.
5. Guest speaker on Secondary metabolites of Plants against COVID-19 at DRR college, Nizivid
6. Speaker on organic and zero budget natural farming at Montfort Environmental Hub, Nuzivid
7. Speaker on Post harvesting Technology at St.Joseph Women's College (A) Vizag
8. Guest Speaker on Career Guidance at St. Theresa's College, Eluru
9. Guest Speaker on RAWE-Programme guidelines for 4th year 7th semester Agriculture and Rural Development students at St. Theresa's College, Eluru
10. Guest Speaker on RAWE-Programme guidelines for 4th year 7th semester Agriculture and Rural Development students at JMJ College, Tenali