

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



Name: Dr. P. Lakshmana Swamy

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

Designation: HoD

Department: Agriculture and Rural Development

Years of experience: 21

Maris Stella College: 3

Other Institutions: 18

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Languages Known: English, Telugu, Hindi

Areas of Interest: Plant Biotechnology, Cell Biology & Crop Production and  
Protection Management

**Academic Contribution:**

Teaching Assistant (Sri Venkateshwara Veterinary University)	: 2008 to 2011
Junior Research Fellow (JRF)-DST (SERB)	: 2011 to 2013
Senior Research Fellow (SRF)-DST (SERB)	: 2013 to 2014
Assistant Professor & Head (GFIA&RF)	: 2015 to 2019
HoD (Maris Stella College)	: 2020 to Till Date
BoS Member-Industrial Expert (VSR&NVR)	: 2015 to 2018

## **BoS Subject Expert, Dept. Of Agriculture Rural Development**

1. Andhra Loyola College, 2020, 2021, 2022 & 20223
2. CH,S,D,ST. Theresa College 2021,2022 & 2023
3. St;Joseph Vizag 2021, 2022 & 20223

## **Industrial Experience**

Technical Assistant (Trans Gene Biotechnology-Plant Tissue Culture) : 2003 to 2005

Lab Manager (Atlantis Phyto Tech-Plant Tissue Culture) : 2006 to 2008

## **Academic Profile:**

### **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

## **Journals**

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 Maraju, 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, **Lakshmana 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, Niranjana 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. P.Lakshmana Swamy, "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, Volume 8, Issue 2, July - December, Page Number 32-36, 2023.

19. P.Lakshmana Swamy, Development of Strategic Plan for Solid waste Management and Bioconversion: A Case study of Maris Stella College, Review of Research, Volume XIII Issue I, October-2023

## **Conferences**

### **International:**

1. International Symposium on Emerging Trend in Biomedical and Nanobiotechnology: Relevance 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 Applications of Nanotechnology, organized by Dept. of Biotechnology and Dept. of Nanotechnology, Acharya Nagarjuna University, Guntur, A.P, India. March 06<sup>th</sup> 2010.
2. National seminar on Red and Green Biotechnology, organized by VSR&NVR College, Tenali, A.P, India. Jan 20<sup>th</sup> 2010.
3. National conference on Impact of Biotechnology on the sustainability of environment. VSR&NVR College, Tenali, A.P, India. Nov 19<sup>th</sup> 2010
4. Dr. P. Lakshmana Swamy, Head, Dept. of Agriculture and Rural Development, participated in two days UGC Sponsored national seminar on “Advances in Phytomedicine & Phytonanocomposites, organized by College of Pharmaceutical Sciences, Acharya Nagarjuna University. Date 01.02.2023 & 02.02.2023.

## **Webinars/FDP's**

4. Role of Atmanirbhar Bharat Abhiyan in Indian Economy during post COVID-19 Scenario, conducted by ADKNU & VSU.
5. The new face of higher education after COVID -19, conducted by Acharya Nagarjuna University.

6. Participating Three Days Online Faculty Development Programme conducted by Yogi Vemana University
7. Tools and Kit ‘Artificial Intelligence, three days work shop, Maris Stella College from 21<sup>st</sup> to 23<sup>rd</sup> November 2023
8. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development, participated as guest speaker talk on **pest and diseases of Horticulture crops and their management** organized by Dept of Botany, Andhra Loyola College (Autonomous), Vijayawada, Date 28.02.2022.
9. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development, participated in one hand on training on Turmeric Vertical cultivation organized by A S Agri & Aqua Ltd, Peddapuram, East Godavari District, Date 25.06.2022.
10. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development, conducted one day training on Farm machinery and Power for send year students organized by Kankpadu Farm Machinery Supply Date 21.07.2022.
11. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development, Organised **Field Day cum Awareness programme on Black Rice Cultivation to the farmers of Thotlavalluru**, Krishna Dist. Date 21.07.2022.
12. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development One Day Certificate Training Program on: “**Zero Budget Natural Farming and Organic Farming**” Technical Person: Chiguripati Koteswrara Rao, Rythu Nestam Foundation, Pulladigunta, Guntur Dist. Date on: 29/08/2022
13. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development participated in the Faculty Development Programme: Three-day Workshop on ‘Learning Through Language Supportive, Interactive & Inclusive Pedagogy’ organized by the IQAC, Maris Stella College (A), Vijayawada in collaboration with the US Consulate, Hyderabad from 12 -14 Sep, 2022.
14. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development participated in a One-day National Webinar on '**Effective Implementation of NEP 2020: Role of Teachers & Institutions**' organized by the IQAC, Maris Stella College (A), Vijayawada on 08.10.2022.
15. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development participated in the Professional Development Programme: Two-day Workshop on ‘**Professionalism, Work Ethics & Ethos for Professional Growth**’, organized by the IQAC, Maris Stella College (A), Vijayawada from 11 - 12 November, 2022.
- 16 **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development participated in the Five-day Virtual Capacity Building Workshop on ‘Research & Publications in Service-Learning Programs’ sponsored by the United Board organized by the IQAC, Maris Stella College (A), Vijayawada from 9 – 13 Jan. 2023.
17. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development organised one day webinar On: “Horticulture Innovation in India” By, Dr. Sridhar Gutam, ARS-Scientist, IIHR Date on : 07<sup>th</sup>/September/2022 In AV room, Maris Stella College, Vijayawada.
18. **Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development organised and Celebration and awareness by rally in Vijayawada city: “**National Soil Day**, Date On : 05.12.2022.

**19. Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development organised and Celebration: “**National Farmers Day (Kisan Divas)**”, Date On : 23.12.2022.

**20. Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development participate, Subject Expert in BoS meeting in the Dpt. Of Agriculture and Rural Development, Ch. S. D. St. Theresa College for Women, Eluru. Date On : 04.02.2023

**21. Dr. P. Lakshmana Swamy**, Head, Dept. of Agriculture and Rural Development organised and Celebration: “**International Year of Millets 2023 (IYOM2023)**”, Date On :18.03.2023.

### **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

### **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: Relevance 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 20<sup>th</sup> 2010.
3. **Lakshmana Swamy Parasa**, L.Cyrl Arun Kumar, T.Srinivasa Rao, P. Raja Kumar, K.Santhisree, V.V.S.N.Hrikishna, 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. 19<sup>th</sup> Nov 2010

### **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 on 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.

**BoS Subject Expert, Dept. Of Agriculture Rural Development**

4. Andhra Loyola College, 2020, 2021, 2022 & 20223
5. CH,S,D,ST. Theresa College 2021,2022 & 2023
6. St;Joseph Vizag 2021, 2022 & 20223