

CURRICULUM VITAE

- 1. Name** : Dr. P.Lavanya Kumari
- 2. Current Position** : Assistant Professor & Head
Dept.of Statistics & Computer Applications
S.V.Agricultural College
Acharya N.G.Ranga Agricultural University
Tirupati-517502
- 3. Academic Qualifications** : M.Sc & Ph.D in Statistics
PG Diploma in computer Applications
PG Diploma in SPSS
PG Diploma in Actuarial Statistics
- 4. Experience** : 22 years
10 years in ANGRAU
12 years in other than ANGRAU (UG & PG)
- 5. Medals/Fellowships/Awards** : 11
 1. Smt. Juluri Kasthuri Gold medal in 1994 for getting highest marks in Mathematics
 2. University First Rank in Graduation in the year 1994.
 3. National Merit Scholarship in Post Graduation during 1994-1996.
 4. University First Rank in Post Graduation in the year 1996
 5. University Fellowship for Ph.D (Full-Time) (2002-2004).
 6. UGC-Post Doctoral Fellowship (2012-17) Five Years
 7. Commendation certificate at District level on Independence day 2019
 8. Bharat Ratna Dr. Abdul Kalam Gold Medal Award by GEPR, New Delhi on 24-07-2022
 9. Distinguished Alumni Excellence Award Dept.of Statistics, SVU, Tirupati on 10-09-2022
 10. Transactional Agricultural Award-2022 by Sree PVF, Vijayawada in 2023
 11. Best Agricultural Scientist Award for 2020-21 by ANGRAU in 2023
 12. Distinguished Faculty in Statistics award of Venus International Foundation on 15-07-2023
- 6. Invited talks at Workshops & Trainings** : 56 programmes
- 7. Areas of Specialization:**
 - i. Subjects taught : **Statistics**, OR & SQC, Six Sigma, Research Methodology, Bio Statistics
 - ii. Computer Proficiency : SPSS, R, Atlas.ti, MINITAB, C,C++, MS-Office
- 8. Research Experience:**
 - i. Book Publications : 3 (2 +1 chapter)
 - ii. Paper Publications : 64 (National: 10, International: 54)
 - iii. Paper presentations : 20 (National: 11, International: 9)
 - iv. National workshops organized : 2 (organized-1 & co-organized-1)
International conference : 1 (As joint organizing Secretary cum Treasurer)
 - v. Workshops Attended : 21 (National: 15, International: 6)
 - vi. Trainings undergone : 11
 - vii. Membership in Organizations : 10
 - viii. Software/prog developed : 4
 - ix. Copyright : 1
 - x. Students guided(as a member) : M.Sc:30 and Ph.D:5

9. Subject Expert in Selection Committee/ Co-opt member in Boards: 5

- i. Subject Expert at Research committee at ICAR-IIOR, Hyderabad on 07-08-2018.
- ii. External Expert member in a Research Committee of Department (RCD), RSVP (Deemed University) Tirupati, for PG Programme for the academic year -2014-15.
- iii. Member of Interview Panel as a Subject Expert for Faculty Selections on 23-04-2014 at Madanapalle Institute of Technology & Science, Madanapalle.
- iv. Co-opt member in Board of Studies for Sri Venkateswara College of Engineering and Technology (Autonomous)
- v. Co-opt member for Board of Management ISPS, Tirupati

10. External funded projects handled : 2

- i. ICAR Extramural project as Co-PI titled “Productivity Improvement and alleviation of drudgery through small farm mechanization” of 19.6 lakhs during 2015-18
- ii. Sree PVF Research grants for agriculture 2022 Vijayawada, titled “Artificial Intelligence based modelling of major pests in Rice crop to promote Forewarning advisory services in Andhra Pradesh” of 35.5 lakhs during 2022-24

11. Extension : 6 Surveys

12. Others : Examiner, Statistical Consultant, Trainer (SPSS)

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Details for above mentioned points

3 . Academic Qualifications:

- Ph.D.,in Statistics (2005) , Area: Acceptance Sampling (SQC), S.V University
- M.Sc.,(Operations Research & Industrial Statistics), 1996, First Class (73.4%) , SV University
- PG Diploma in Actuarial Statistics(PGDAS) , 2010, Distinction (85%), Annamalai University.
- PG Diploma in Software Based Statistical Analysis (PGDSSA),2006, Distinction (91.25%),Annamalai University
- PG Diploma in Computer Applications(PGDCA), 1999, First Class with Distinction (74%), SV University

6. Invited talks as a Resource Person: 56 programmes

(National Workshops/Trainings at Various State and National Universities, Higher Education Institutions)

1. An invited talk will be delivered on Research *Methodology for Research scholars* and MBA students of Amity Global Business school, Chennai through online on 28-02-2023.
2. A lead talk on Research Methodology at *Faculty development Programme* titled “Effective Methods and Strategies for Quality Research paper writing & Publishing Scientific Journals” organized by Srirama College of Engineering, Tirupati/
3. An invited lead talk at ‘*One week Workshop on Research Methodology*’ on “Types of research methods- Quantitative and Qualitative Research” organized by Department of Home Science, S.V.University Tirupati.
4. A couple of invited talks at *National workshop on ‘Research Methodology-Testing of Hypothesis’* for LLM, Ph.D and Faculty through virtual mode organized by Vivekananda Institute of Professional Studies-Technical Campus, New Delhi
5. An invited talk at Online value-added course on “Research Methodology planned during 15th-31st March 2021 organized by *IQAC CELL, SPMVV*, Tirupati .
6. A couple of invited talks at *National Workshop on Research methodology* conducted by Vivekananda School of Law and Legal Studies, New Delhi. (National) on 13-03-2021
7. A couple of talks on Parametric and Non parametric tests at *One day orientation and training programme* on Statistical analysis, RARS, Nandyal on 16-09-2019.
8. A couple of talks on Statistics as a profession and *Software based Statistical Analysis using SPSS* at a Series of Special lectures on skill development, SPMVV Tirupati on 30-08-2019.
9. Resource Person for *National level Training Programme* on ‘Statistics’ for Research Scholars of Law on 07-09-2018 at National Law School of India University, Bangalore
10. A couple of talks at *ICSSR sponsored Capacity Building Programme* on ‘Recent trends in Research Methodology’ conducted by Dept. of Economics, Sri Venkateshwara University, Tirupati on 22-02-2018.
11. A talk on SPSS, Statistical tools/SPSS’ at *UGC Refresher Course on ICT*, Acharya Nagarjuna University, Guntur on 21-03-2018.
12. A talk on Appropriate Statistical analysis pertaining to KVKs and DAATTCs at Three day ‘*Orientation workshop for newly recruited Scientist/ SMS*’ in Southern Zone of Andhra Pradesh, RARS, Tirupati on 21-04-2018.
13. A couple of talks on ‘Advanced computational and Statistical tools for data analysis’ at *ICAR Short course*, Agriculture College, Bapatla on 22-05-2018
14. A talk on SPSS, Statistical tools/SPSS at *UGC Refresher Course on ICT,HRDC (ASC) (DHRM) S.V. University, Tirupati* on 22-06-2018.
15. A talk on Statistical tools using SPSS’ at *UGC Orientation Programme, DHRM*, Sri Venkateswara University, Tirupati on 27-08-2018
16. Refresher Course in Research Methodology in Social Science at our S V University UGC - HRDC (ASC) from 04-09-2017 to 23-09-2017. (19th 20th sep 2017)

17. Resource Person for '**National level Training Programme on 'Statistics' for Research Scholars of Law** during 15-17th September, 2015 at National Law School of India University, Bangalore
18. Invited talk on "Statistical Package for Social Sciences (SPSS)" at **Course work on Research Methodology for Research scholars** (27th June to 1st July 2017) on 1st July 2017 at School of Excellence in Law, The Tamilnadu Dr. Ambedkar Law University, Chennai.
19. An invited lecture is given on "Bulk SMS & Web browsing" for the dealers under **DAESI programme** on 28th May 2017 at IFT, RARS, TPT.
20. Invited talk at on "Statistical Package for Social Sciences (SPSS)" at **ICSSR-Capacity Building Programme for Faculty in Social Sciences** (10-23 April 2017) on 16th April 2017 at the Center for Southeast Asian and Pacific Studies, Sri Venkateswara University, Tirupati.
21. Invited talks on "Research Methodology" at **ICSSR sponsored workshop for Research Scholars in Social Sciences** (during 28-30th March 2017) on 30th March 2017 at UGC-Human Resource Development Centre, Sri Venkateswara University, Tirupati.
22. Invited talks on "Statistical Package for Social Sciences (SPSS)" at **ICSSR sponsored workshop for Research Scholars in Social Sciences** (during 28-30th March 2017) on 29th March 2017 at UGC-Human Resource Development Centre, Sri Venkateswara University, Tirupati.
23. Invited talk on Tests of Significance & Factor Analysis at **ICSSR Sponsored Research Methodology Course for Social Sciences** (Psychology 17-26th March 2017) on 22nd March 2017 at Dept. of Psychology, S.V. University, Tirupati.
24. Invited talk on Tests of Hypothesis at **National Workshop on Statistical Computing using Excel & SPSS Workshop Schedule**, March 13-14, 2017 organized at Sri Padmavathi Mahila University, Tirupati.
25. Invited talk on "**Testing of Hypothesis using SPSS**" at ICSSR sponsored Six day Workshop on "Research Methodology Course in Social Sciences for Ph.D Scholars under SC component Plan Grant" (19th – 24th Dec 2016) on 24th Dec 2016 at Dept. of Social Work, Vikrama Simhapuri University, Nellore.
26. Invited talk on "**The Role of Statistical Tools in Data Analysis of Scientific Research**" at UGC Sponsored National Seminar on The Role of Statistical Tools in Data Analysis of Research Projects and Thesis' during 26-27th June 2015 at PVKN Degree & PG College, Chittoor
27. Resource Person for '**Training Programme on Data Analysis using Statistical Packages**' during 30th May 2016 to 4th June 2016 at Dept. of Statistics, Agricultural College, Bapatla, ANGRAU.
28. Resource Person for '**Advanced Research Methodology** during 11-12th April 2016 at Dept. of Education, Rastriya Sanskrit Vidyapeetha (Deemed University).
29. Resource Person for '**National level Training Programme on 'Statistics' for Research Scholars of Law** during 17-19th December, 2015 at National Law School of India University, Bangalore.
30. Resource person for '**Invited talk on SPSS-Business Simulation**' for teaching faculty and students on 07-12-2015 at Chadalawada Ramanamma Engineering College, Tirupati.
31. Invited talk on "Statistically useful tools in experimental research using software, SPSS 20" at the **Winter School on "Recent Advances in Groundnut Production Technology"** (25th Sept to 15th Oct, 2015) on 9th Oct 2015 at RARS between 11.30 – 1pm, Tirupati.
32. Invited talk on "Statistical Tools for Sustainable Agriculture" at the **Winter School on "Recent Advances in Groundnut Production Technology"** (25th Sept to 15th Oct, 2015) on 9th Oct 2015 at RARS between 9.30 -11.00 am, Tirupati.
33. Resource person for '**Training programme on Planning of Animal Experimental Designs and Data Analysis with Hands on skills on Statistical Software**' for faculty on 01-10-2015 at Sri Venkateswara Veterinary University, Tirupati.
34. Resource person for '**Training programme on Qualitative Data Analysis using Atlas.ti Software**' for international team during 27-28th June 2015 at Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
35. Resource Person for **ICAR-Winter School on "Recent Advances In Groundnut Production Technology"** during 25th September – 15th October 2015 at RARS, ANGRAU, Tirupati.

36. Resource Person for **'Invited talk on Advanced Statistical tools for Horticulture Research'** for Teaching Staff and Research Scholars on 2nd March 2015 at Horticulture College, Anantharaj Pet
37. Resource Person for **'National level Training Programme on 'Statistics' for Research Scholars of Law** during 20 -22th December, 2014 at National Law School of India University, Bangalore.
38. Resource Person for **'National workshop on 'Software based statistical Analysis using MS-Excel & SPSS'** during 8th -14th September, 2014 at Sri Padmavathi Degree & PG College, Tirumala Tirupati Devasthanams, Tirupati.
39. Resource Person for **'Faculty Development Programme'**, during 24th to 28th March 2014 at the Dept. of Education, Rastriya Sanskrit Vidyapeeta (Deemed University).
40. Resource Person for **'National Workshop on Statistical Tools for Physical and Social Sciences'** during 8-9 February, 2014 at SSBS College (Autonomous), Ananthapur.
41. Resource Person for **'Faculty Development Programme on 'Teaching Methods for Management Faculty'** on 12th August 2013 at ABBS Center for Research and Development, Bangalore.
42. Resource Person for **'Research Methodology and Statistics'** during 28 – 29th July 2013, at Department of Journalism Krishna University, Machilipatnam.
43. Resource Person for **'Statistical Analysis Using MS-Excel and SPSS'** during 22 -27th July 2013, at Women's Studies Centre and Dept.of Women's Studies Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
44. Resource Person for **'Six days Training Programme in Statistical Methods'** during 28th Jan 2nd Feb 2013, at Department of Life Long Learning and Extension Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
45. Resource Person for **UGC Sponsored Training Programme for 'Faculty in Statistical Package for Social Sciences(SPSS)'** during 4-9 October, 2012, at Department of Education, Rashtriya Sanskrit Vidyapeetha, Tirupati.
46. Resource Person for **Training Programme on 'Research Methodology for LLM and Research Scholars and Faculty'** during 24-29 September 2012 at National Law School of India University, Bangalore.
47. Resource Person for **ICSSR sponsored five day Workshop on 'Critical Perspectives of Research Methodology'** during 14-18 February 2012 at Department of Business Management, Vikrama Simhapuri University, Nellore.
48. Resource Person for **ICSSR sponsored Six day National Workshop on 'Towards competency in Social Science Research Methodology'** during 14-19 November, 2011 at Department of Social Work, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
49. Resource Person for **Two day National Workshop on 'Statistical Applications in Management Research Using SPSS-19'** during 20-21 October 2011 at the Department of Management Studies, Madanapalle Institute of Technology & Science, Madanapalle.
50. Resource Person for **UGC and APCOST sponsored National Seminar on 'Significance of Statistical Component in Research'** during 24-26 June, 2011 at the Department of Population Studies, Sri Venkateswara University, Tirupati.
51. Resource Person for **First Refresher Course on 'Research Methodology (Social Sciences)'** during 28th February to 19th March, 2011 at UGC-Academic Staff College, Sri Venkateswara University, Tirupati.
52. Resource Person for **Workshop on 'Multimedia Material Development'** during 29-31 March, 2011 at the Distance Education Centre, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
53. Resource Person for **UGC-SAP DRS II Level seven day Workshop on 'Software Based Statistical Analysis Using SPSS'** during 20-26 December 2010 at the Department of Communication & Journalism, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
54. Resource Person for **National Seminar cum Workshop on 'Processing of Data in Social Sciences using M.S.Excel and SPSS'** during 5-10 July, 2010 at the Department of Population Studies, Sri Venkateswara University, Tirupati.

55. Resource Person for ***Orientation Programme for Principals for Govt. & Aided Junior Colleges of Chittoor, Kadapa and Nellore Districts*** during 10-15 May, 2009 organized by Dept.of Intermediate Education Govt.of Andhra Pradesh, Hyderabad at S.V.Junior College (TTD) Tirupati.
56. Mentor for ‘**Six Sigma Master Black Belt Programme (MBB)**’ from 2006 at Indian Institute of Enterprise Management Limited (IIEEM), Hyderabad.

8. Research Experience: 22years (2002 -2023)

i. Book Publication: 2 +1 (chapter)

1. Lavanya Kumari.P.(Dec, 2012). Solver based Solutions to Operations Research First Edition, LAP LAMBERT Academic Publishing, Germany, ISBN: 978-3-659-31280-9.
2. Lavanya Kumari.P (Feb, 2012). Design of Sampling Plans for Quality Control First Edition, Discovery Publishing House Private Limited, New Delhi, ISBN: 978- 93-5056-076-1.
3. P.Lavanya Kumari (2017). Statistical Tools for Sustainable Agriculture. Recent Advances in Groundnut Production Technology, B.S Publications Chapter.40 pp.717-752. ISBN.978-93-5230-097-6.(Book chapter)

ii. Paper Publications: 64 (National : 10 International : 54)

National: 10

1. K. Rupa., I. Bhavani devi., Y. Prabhavathi* and P. Lavanya kumari(2019), Economics of Tobacco nurseries under shade nets in Vinukonda region of Guntur district, Andhra Pradesh, Andhra Pradesh j agril. Sci. 5(2): 83-89. (NAAS: 5.32)
2. Bharatham Renuka, N.T. Krishna Kishore, I.Bhavani Devi and P. Lavanya Kumari (2020), A study on sweet corn buying behaviour of consumers, Int.J.of Commerce and Business Management, 13(2): 39-43.
3. Lavanya Kumari.P & Anupama .G (2019), Digital Agricultural Practices towards realization of India’s sustainable Development goals, The Andhra Agricultural Journal J.66(spl):63-67,2019.
4. Y.Amaravathi, G.k.Srividya, P.Lavanya Kumari, R.P.Vasanthi & E.Aparna (2019), Study of Resistance Gene Aalogues(RGAs) in Cultivated Groundnut (Arachis Hypogaea L., The Anhdra Agricultural Journal J.66(spl):165-169,2019
5. G.Swarna & P.Lavanya Kumari (2019), Assessment of the Queue’s Performance at Cash counters of Supermarket, The Andhra Agricultural Journal J.66(spl):107-110,2019.
6. Lavanya Kumari.P & Anupama.G (2014) .A Study on Ethical Dilemmas of Managers at Workplace, **Journal of Strategic Human Resource Management, ISSN.2277-2138, volume 3 Issue 3 October 2014.**
7. Lavanya Kumari.P(August 2012). *Role of Computer in Social Science Research*, **Indian Journal of Research PARIPEX, ISSN.2250-1991**, Vol.No.1, Issue.8, pp.107-108.
8. Lavanya Kumari.P and. Sarma.K.V.S (2008). *Optimum Skip-lot Sampling Plans Using Spreadsheet Solution*, **Journal of OPSEARCH, ISSN.0030-3887**, Vol 45, No.1, pp.49-68.
9. Sampath Kumar.V.S, Lavanya Kumari.P and Sarma.K.V.S (2007). *Evaluating SkSP-1 with a Special Inspection Procedure by Variables and Attributes*, **Journal of National Institute for Quality and Reliability**, Vol.XI-No.1, pp.24-29.
10. Lavanya Kumari.P and. Sarma.K.V.S (2005). *A spreadsheet solution to design a single sampling plan for attribute inspection*, **Journal of the Indian Society for Probability and Statistics**, Vol 19, pp.77-88.

International: 54

1. Multi criteria decision making at uncertainty (MCDM) genesis, review and its cope in Agriculture with a real time problem.(2023), G Tejaswini Reddy P Lavanya Kumari1 and B Ramana Murthy (2023),Scientist Sci-4(4) 2023; 1-17, Volume 4, Issue 4 Apr 2023.pp. 1-17.DOI: <https://doi.org/10.5281/zenodo.6796894>. . (NAAS: 6.85)

2. Weather based forewarning models for YSB in Rice using NB and zero inflated NB and ANN (2023), K.Gurucharn, P.Lavanya Kumari et.al, Scientist pp.528-539089093670 . (NAAS: 6.85)
3. Gurucharan, K., Kumari, L.P and Reddy, K. (2021), Selection of best crop under uncertainty in Agriculture, Scientist, 1(2): 388-394. (NAAS: 6.85)
4. Gurucharan, K., Kumari, L.P and Reddy, K., Umar, N.SK., Rao, N. E.S.V., Paramasiva, I and Harathi, P. N (2021), Weather based forewarning models for yellow stem borer (*Scirpophaga incertulas*) Population in rice using poisson regression, Zero inflated poisson regression and Artificial Neural Network, Scientist. 1(2): 197-210. (NAAS: 6.85)
5. Krishna Reddy,S. Tiruomal Reddy, N. Sunitha, ,P.Lavanya Kumari, P.V.R.M Reddy, B. Ravindranatha Reddy (2021), Identification of suitable alternate rabi crops for coastal sands of Nellore district, Indian Journal of Agricultural Research. 56(2): 195-200.
6. K.Maneesha, M.Bhargavi, D. Manjula Withanawasam, P. Shanthi, K. Madhavilatha, L. Keerthi, P. Lavanya Kumari, V. Roja, Md. Aminul Islam, Bhaben Tanti, P. Sudhakar, V. Lakshminarayana Reddy, Genetic monitoring of Indian rice (*Oryza sativa*) cultivars over decadal periods employing gene-specific markers and yield component traits, Crop and Pasture Science. (NAAS: 8.29)
7. M. Rajesh, N.T. Krishna Kishore, I. Bhavani Devi and P. Lavanya Kumari, Awareness of farmers towards products and services offered by Rbks in Rayalaseema region Andhra Pradesh-A case study, International Journal of Agricultural Sciences, 18(2):832-835. (NAAS: 4.58)
8. V. Ragamalika, Y. Radha, I. Bhavani Devi, P. Lavanya Kumari and P.L.R.J. Praveena, Consumption pattern and elasticities of demand of major food items among farm households in Andhra Pradesh, Asian Journal of Agricultural Extension, Economics & Sociology, 40(10):565-572, (NAAS: 4.86)
9. J. Venkata Yaswanth, P. Shanthi, M. Reddi Shekar, VLN Reddy and P. Lavanya Kumari, Estimates of Genetic Variability, Heritability and genetic advance for yield and its component traits in advanced breeding lines of rice (*Oryza sativa*), The Pharma Innovation Journal, 10(8):1422-1425. (NAAS: 4.86)
10. I.Keerthi, Lakshmi Narayana R.V, R. Eswarayya, Md. Lal Ahamed and P. Lavanya Kumari (2022), In silico analysis predicts an amino acid permease family protein as the putative candidate gene underlying a major QTL for Tiller number in rice (*Oryza sativa*), The Journal Research ANGRAU, 50(1): 10-19. (NAAS: 4.86)
11. Nataraja, K.C., Balaguravaiah, D., Srinivasa Rao, Ch., Giridhara Krishna, T., Reddiramu, T.and Lavanya Kumari, P. 2021. Biochar production through drum method and characterization for soil amendment qualities. The Pharma Innovation Journal. 10(6): 544-551.NAAS Rating: 5.23 (2021)
12. Nataraja, K.C., Balaguravaiah, D., Srinivasa Rao, Ch., Giridhara Krishna, T., Reddiramu, T.and Lavanya Kumari, P. 2021. Comparative analysis of chemical composition and spectral properties of biochar produced from pigeonpea and cotton residues. Journal of Research ANGRAU. 49 (2): 23-34.NAAS Rating: 4.21 (2021)
13. Srilatha V, Karthik Reddy P, Raveendra Reddy M, Anitha T, Mamatha NC and Lavanya Kumari 2021, Chemical interventions for extending shelf life of minimally processed bitter gourd (*Momordica charantia* L.) The Pharma Innovation Journal 2021; 10(3): 746-753, P DOI: <https://doi.org/10.22271/tpi.2021.v10.i3k.5874>
14. P Lavanya Kumari and R.P Vasanthi (2020) Discriminant factors in selecting groundnut varieties for cultivation, Journal of Pharmacognosy and Phytochemistry 2020; 9(5): 682-688. (NAAS:5.21)
15. **Lavanya Kumari, P.** and Prasanthi, L. 2020. Yield Gap Analysis of TBG-104 (Blackgram variety) in Southern Zone of Andhra Pradesh. Int.J.Curr.Microbiol.App.Sci. 9(09): 1757-1763. doi: <https://doi.org/10.20546/ijcmas.2020.909.21>

16. **Lavanya Kumari, P.** and Maheswara Reddy, P. 2021. Decision Making under Uncertainty in Agriculture- A case study. *Int.J.Curr.Microbiol.App.Sci.* 10(05): 188-194. doi: <https://doi.org/10.20546/ijcmas.2021.1005.025>.
17. P.Lavanya Kumari and G.Krishna Reddy (2020), “ ANGRAU Fertiliser Planner-2015(AFP-15), *Journal of Pharmacognosy and Phytochemistry* ,Vol. 9, Special Issue 4 (2020) (NAAS:5.21).
18. SK Mohammad Irfan, V Tulasi Das, I Bhavani Devi and P Lavanya Kumari(2018), Impact of solar irrigation on farm incomes in Ananthapur district of Andhra Pradesh, *Journal of Pharmacognosy and Phytochemistry* 2018; 7(4): 2277-2283. .(NAAS:5.21).
19. Kalaivani, Prabhavathi, Devi Bhavani, Kumari Lavanya (2019), Exploring the Factors Impacting the Purchase Intention of Consumers for Organic Foods, *Indian Journal of Extension Education*, 5.32 Volume : 55, Issue : 1,pp.28-32. (NAAS 5.32)
20. Divya K., Bhavani Devi I. and Lavanya Kumari P.(2018), Total Factor Productivity Growth of Rice and Maize in Andhra Pradesh, India *Int.J.Curr.Microbiol.App.Sci* (2020)9(4): 2852-2857. (NAAS 5.38)
21. R.Prasanna Lakshmi, P.Ganesh Kujmar, P.Lavanya Kumar, M.Reddi Kumar, and M.Kishan Tej (2019), Assessment of PBNB and PSND Tolerant Groundnut Variety Kadiriramaravathi, *Int.J.Curr.Microbiol.App.Sci* (2019) 8(6): 1514-1520. DOI: <https://doi.org/10.20546/ijcmas.2019.806.182>.
22. GD Umadevi, V Sumathi, A Pratap Kumar Reddy, P Sudhakar and K Lavanya Kumari(2019),”Effect of organic manures and phosphorus on cowpea and their residual effect on succeeding little millet”, *Journal of Pharmacognosy and Phytochemistry* 2019; 8(3): 2236-2239.
23. G. D. Umadevi, V. Sumathi, A. Pratap Kumar Reddy, P. Sudhakar and K. Lavanya Kumari,(2019), Soil Microbial Population As Influenced By Direct and Residual Effect of Organic and Inorganic Sources of Nutrients in Cowpea- Little Millet Cropping Sequence, *Int.J.Curr.Microbiol.App.Sci* (2019) 8(6): 3378-3391.DOI: <https://doi.org/10.20546/ijcmas.2019.806.401>
24. C.Ramana and P.Lavanya Kumari (2019). “Farmers’ perception and usage of Farm Machinery in Southern Zone of Andhra Pradesh” ,*Journal of Pharmacognosy and Phytochemistry* vol.8, No.5,Sep-Oct 2019,pp 751-759.(NAAS:5.21)
25. P. Lavanya Kumari, G. Krishna Reddy and A.Veeraiah (2019). “Challenges and opportunities in marketing Farm produce - A review”,*Journal of Pharmacognosy and Phytochemistry*, *Journal of Pharmacognosy and Phytochemistry* 2019; 8(1): 1022-1029.
26. G.Anupama, K.Giridhar Reddy and P.Lavanya Kumari (2019),Challenges of Personal Selling in Financial Services Firms – Employees’ Perspective, *International Journal of Management , Technology and Engineering*, ISSN NO 2249-7455 Volume IX, Issue II, FEBRUARY/2019 Issue.II,pp.707-723.. DOI: 16.10089.IJMTE.2019.V9I21.18.27976
27. Latha P, Sudhakar P, Nirmal Kumar AR, Vasanthi RP, John K and Lavanya Kumari P (2018) Phenotyping of groundnut (*Arachis hypogaea* L.) genotypes for physiological and yield traits under mid-season drought stress, *Journal of Pharmacognosy and Phytochemistry* 2018; 7(6): 1310-1315.
28. B.Vennela, C. Ramana, M.V. Ramana, S. Joseph Reddy, S. Kalleemullah and P. Lavanya Kumari(2018)Studies on Harvesting and Threshing Parameters of Available Tractor Operated Groundnut Digger-Shaker and Fresh Pod Thresher , *Int.J.Curr.Microbiol.App.Sci* 7(11):3517-3525 · November 2018 DOI: 10.20546/ijcmas.2018.711.401
29. B. Vennela, C. Ramana, M. V. Ramana, S. Joseph Reddy, S. Kalleemullah and P. Lavanya Kumari(2018),Study on Selected Physiological Parameters of Groundnut in Relation to Design of Groundnut Combine for Threshed Crop,

30. K. Lavanya, G. Krishna Reddy, A. Pratap Kumar Reddy, P.V.R.M Reddy and P. Lavanya Kumari(2018).Yield and nutrient uptake of finger millet as influenced by organics and liquid bio fertilizer consortium, The J. Res. ANGRAU, 2018 Vol.46 No.3 pp.41-44 .
31. D Rafi, I Bhavani Devi, Y Prabhavathi, and P Lavanya Kumari (2019), Economics of groundnut cultivation on MACS and non-MACS farms in Ananthapur district of Andhra Pradesh, Journal of Pharmacognosy and Phytochemistry; Vol. 7, Issue 3 (2018): pp.3346-3349
32. D Rafi and P Lavanya Kumari(2019). Assessment of Factors Influencing Members Participation in Mutually Aided Cooperative Society (MACS): A Case of Anantapur Region of Andhra Pradesh ,Research Journal of Agricultural Sciences,Vol :10 - Issue : 4 , 644-646
33. Divya K., Bhavani Devi I. Vishnu Sankar rao D. and Lavanya Kumari P.(2018). Total Factor Productivity Of Major Crops In Andhra Pradesh, International Journal of Agriculture Sciences,ISSN: 0975-3710 & E-ISSN: 0975-9107, Volume 10, Issue 23, 2018, pp.-7586-7588.
34. P Lavanya Kumari, G Anupama and K Giridhar Reddy (2018). Digital India: Opportunities and challenges of farmers, Journal of Pharmacognosy and Phytochemistry 2018; 7(2): 2469-2482 .
35. P.Lavanya Kumari, K.Pullam Raju and G. Krishna Reddy (2018). Support of the Scientists in Risk Management- Farmer's perception, Journal of Pharmacognosy and Phytochemistry 2018; 7(1): 1863-1873
36. G.Anupama, P.Lavanya Kumari (Nov2016).Industrial Based Occupational Diseases- A KAP Study On Workers of Rayalaseema Region, Quest Journals Journal of Research in Business and Management Volume 4 ~ Issue 9 (2016) pp: 21-29 ISSN(Online) : 2347-3002 www.questjournals.org
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iii. Paper Presentations (Total): 20 (National : 11 & International:9)

National: 11

1. A paper entitled “Digital Agricultural Practices towards Realization of India’s Sustainable Development Goals presented “at a National Conference of Cosifha-2019” during 29-31st Jan 2019 at S.V.Agril.College, Tirupati.
2. A paper entitled “Assessment of the Queue’s performance at cash counters of Supermarket’ is presented in a National Conference of Cosifha-2019” during 29-31st Jan 2019 at S.V.Agril.College, Tirupati.
3. Y. Amaravathi, G.K. Srividya, P.Lavanyakumari and R.P.vasanthi (2018) “In silico analysis of Resistance Gene Analogues (RGAs) in groundnut (Arachis hypogaea L.) genome ” poster presentation in 1st National Genetics Congress 2018 14th-16th December, 2018 at Indian Agricultural Research Institute, NewDelhi, India under the theme Advanced Genetic Tools for Enhancing Breeding Efficiency
4. G. K. Srividya, Y. Amaravathi*, P. Lavanya Kumari, R.P.Vasanthi and E. Aparna “Diversity of Resistance Gene Analogues (RGAs) in cultivated groundnut (Arachis hypogaea L.)” Contributed Talk at National Conference on Challenges, opportunities and informatics for futuristic Humanosphere especially in Agriculture (COSIFHA) 29th to 30th March 2019 at S.V. Agricultural College, Tirupati under the theme Genomics and Bio-informatics.
5. A paper entitled “Efficacy of Principle Component Regression over Multiple Linear Regression”at a National Conference on “Emerging trends on Agrinotechnology-17” during 2-3 Nov 2017 at RARS, Tirupati.
6. A paper entitled “Digital India-Opportunities and Challenges of Farmers’ at A two day National Conference on “Inclusive Growth through Startup India-Standup India: Opportunities and Challenges during 10-11th Feb 2017 at Dept.of Commerce, Sri Venkateswara University, Tirupati.
7. Presened a paper entitled “The Role of Statistical Tools in Data Analysis of Scientific Research“ at UGC Sponsored National Seminar on The Role of Statistical Tools in Data Analysis of Research Projects and Thesis’ during 26-27th June 2015 at PVKN Degree & PG College, Chittoor
8. Presented a paper entitled ‘Production Potential of Rainfed GN/PP Intercropping System as Influenced by Climate Resilient Farm Pond Technology’ at National Conference on Emerging Challenges and opportunities in Biotic and Abiotic Stress Management, during 13 – 14 December 2014 at Directorate of Rice Research, Rajendranagar, Hyderabad, A.P., organized by SSDATM, Astha Foundation and Society of Rice Research
9. Presented a paper entitled ‘**Methodologies for Data Collection and Analysis on Violence Against Women**’ at UGC-National Seminar on Gender Based Violence Against Women: Challenges and Strategies, during 25-26th March 2013 organized by Women’s Studies Centre and Dept.of Women’s Studies, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
10. Presented a paper entitled ‘**Some Statistical Issues in the Analysis of Data from Longitudinal Studies**’ at National Conference on Tackling Children’s Wellbeing during 30th July-1st August, 2012 organized by Young Lives International Project, Department of Social Work, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
11. Presented a paper entitled ‘**On Some Computational Experiences with Skip-Lot Sampling Plans**’ at National Conference on Recent Developments in Statistics, Probability and Stochastic Processes, during 9-11 December, 2002 organized by the Department of Statistics, Sri Krishna Devaraya University, Anantapur.

International: 9

1. Presented a paper entitled ‘Fostering Innovation at work – Managers’ Approach’ at 2nd International Conference on innovative management strategies during 6 - 7 March 2015, at Fortune Select Grand Ridge(ITC Group Hotel), Tirupati, INDIA held by MITS.

2. Presented a poster entitled ‘Production Potential of Rainfed Groundnut/Pigeonpea Intercropping System as Influenced by Climate Resilient Farm Pond Technology in Semi Arid Tropics at 3rd UNCCD Scientific Conference 9- 12 March 2015 Mexico during 9-12 March 2015.
3. Presented a paper entitled ‘**Optimum cropping pattern for Vegetable Crops under uncertain profit using Fuzzy Multi objective Linear Programming**’ at International Conference on Operational Research: OR for Big Data & Analytics, during 1-3 December 2014, organized by ORSI-Tirupati Chapter, & Dept. of Statistics, SVU, Tirupati.
4. Presented a paper entitled ‘**A Study on Ethical Dilemmas of Managers at Workplace**’ at International Conference on Innovative Management Strategies during 7 – 8 March, 2014, held by MITS at Bangalore.
5. Presented a paper entitled ‘**The Other facet of Growing Population in India and Japan**’ at International Conference on India-Japan Relations transforming into Potential Partnership , during 7-9 December, 2012 organized by SEAPS, Sri Venkateswara University, Tirupati.
6. Presented a paper entitled ‘**Impact of Natural Disasters on Environment –Software based Quantitative & Qualitative Approach**’ at International Conference, during 3-6 January, 2012 organized by TIES, at C.R.Rao Advanced Institute of Mathematics Statistics and Computer Science, Hyderabad.
7. Presented a paper entitled ‘**Characterization of Inspection Errors and their Effect on Skip-lot Sampling Plans**’ at International Conference on Operations Research for a Growing Nation, during 15-17 December, 2008 organized by the Department of Statistics, Sri Venkateswara University, Tirupati.
8. Presented a paper entitled ‘**Evaluating SkSP-1 with a Special Inspection Procedure by Variables and Attributes**’ at International Conference on Statistical Science, OR and IT, during 7-9 January, 2007 organized by Indian Society for Probability and Statistics (ISPS) at Tirupati.
9. Presented a paper entitled ‘**A Spreadsheet Solution to Design Single Sampling Plan for Attribute Inspection**’ at International Conference on Recent Developments in Statistics and their Applications, during 3-4 January, 2005 organized by the Department of Statistics, Sri Venkateswara University, Tirupati.

iv. Workshops , Conferences Organized : 3

1. Joint organizer & Treasurer for an International Conference on ‘**Operational Research: Big Data & Analytics**’ during 1-3 December 2014 held at the Department of Statistics, Sri Venkateswara University, Tirupati.
2. Co-organizer for *UGC and APCOST sponsored National Seminar on ‘Significance of Statistical Component in Research’* during 24-26 June, 2011 held at the Department of Population Studies, Sri Venkateswara University, Tirupati.
3. Organizer for a workshop on ‘**Teaching Statistics at Graduate level with revised Curriculum**’ during 25-27 November, 2006 held at the Department of Statistics, Sri Padmavathi Women’s Degree College, TTD, Tirupati.

v. Participations in Seminar/Workshop (Total): 21 (National:15 International: 6)

National: 15

4. Two day National workshop on Integrated Approach for the farmer’s empowerment “Marketing Strategies” 2-3 Nov 2021 at LAM, Guntur by ANGRAU and Govt of Andhra Pradesh

5. National Workshop on 'Big Data & Analytics' during 27-30 December 2014 organized by the ISPS & Dept. of Statistics, Sri Venkateswara University, Tirupati.
6. National Workshop on 'Geo Statistics and Spatial Data Analysis' during 19-21 December, 2012 organized by the Department of Statistics, Pondicherry University (Central University), Pondicherry.
7. National Workshop on 'Recent Advances in Statistical Signal Processing and its Applications' during 24-27 August, 2012 organized by the Department of Statistics, Andhra University, Visakhapatnam.
8. National Workshop on 'Advanced Stochastic Models & its Applications (Bio-Statistics)' during 9-12 August, 2012 organized by the Department of Statistics, Sri Venkateswara University, Tirupati.
9. Workshop on 'Quantitative Data Analysis using Atlas.ti' during 18-20 March, 2011 organized by Young Lives Project, Department of Social Work, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
10. National Workshop on 'Bio Statistics- Theory and Practice' during 17-19 February, 2011 organized by the Department of Statistics, Sri Venkateswara University, Tirupati.
11. Workshop on 'Towards Competency in Social Science Research' during 23-25 July, 2009 organized by the Department of Social Work, Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
12. National Workshop on 'The Role of Statistical Thinking and Systems in Expanding the Horizon of Science and 3rd National Statistics Day' during 28-29 June 2009 organized by the Department of Statistics, Sri Venkateswara University, Tirupati.
13. National Seminar on 'Recent Efforts in Assuring Quality in Higher Education' during 4-5 March, 2009 organized by the Sri Padmavathi Degree & PG College, TTD, Tirupati.
14. National Workshop on 'Recent Advances in Decision Support Models and Their Applications' during 10-14 December, 2008 organized by the Department of Statistics, Sri Venkateswara University, Tirupati.
15. State Level Workshop on 'Teaching of Statistical Soft Skills at Under Graduate Level' during 27-28 June, 2008 organized by Govt. College, Ananthapur.
16. National Seminar on 'Teaching Learning Evaluation – A Challenge to Affiliated & Autonomous Colleges' during 3-4 January, 2008 organized by S.V.Arts College, TTD, Tirupati.
17. National Seminar on 'Empowerment of Women-Indian Scenario' during 8-9 March, 2007 organized by the Department of Commerce, Sri Padmavathi Women's Degree College, TTD, Tirupati.
18. Workshop on 'Teaching Statistics at Graduate level with revised Curriculum' during 25-27 November, 2006 organized by the Department of Statistics, Sri Padmavathi Women's Degree College, TTD, Tirupati.

International: 6

1. International Workshop on '**Statistical Methods for Environmental Data Analysis**' on 4-7th March 2013 organized by CR Rao AIMSCS and Centre for Earth and Space Sciences, University of Hyderabad.
2. International Workshop on '**Decision Making & Optimization**' on 7th September 2012 organized by ORSI, Chennai chapter, IIT, Madras.
3. International Workshop on '**Quantitative Methods for Environmental Data Analysis with Statistical Package R**' during 1-2 January, 2012 organized by TIES at C.R.Rao Advanced Institute of Mathematics Statistics and Computer Science, Hyderabad.

4. International Workshop on ‘**Recent Advances in Mathematical Algorithms and Data Analysis**’ during 2-5 January, 2010 organized by Department of Statistics, Andhra University, Visakhapatnam.
5. International Workshop on ‘**Advanced Statistical And Computational Methodologies**’ during 28-31 January, 2009 organized by the Department of Statistics, Sri Venkateswara University, Tirupati.
6. International Workshop on ‘**Advanced Mathematical Programming Techniques for Young Teachers and Researchers**’ during 28th March – 1st April, 2008 organized by the Dept. of Mathematical Sciences and Dept.of Statistics, Dravidian University, Kuppam.

vi. Trainings undergone:11

1. A training programme on ‘Data Analytics and its applications in health care’ during 18-02-2022 to 27-02-2022 Virtual mode from NIT, Warangal &IIIT Dharwad).
2. IDP Summer Enrichment Course: Developing and Teaching an Online Course (Session 1) from 13-06-2021 to 30-07-2021 (virtual mode) MAGNA Publications (nominated by ANGRAU)
3. Online training programme on “Data Analysis in Social Sciences Research” scheduled during 04-08 Oct 2021 conducted by NAARM, Hyd.
4. IDP-Summer Enrichment Course on “Developing and Teaching an Online Course” from 13-06-2021 to 31-07-2021 by ANGRAU.
5. A one week online International Faculty Development Program on “Recent Advances in Mathematics & Statistics” 03-08-2020 to 08-08-2020 organized by GITAM (Deemed University),Visakhapatnam
6. A 21 days training programme of ICAR-CAFT on Advances in Data Science using R, during 21-09-2019 to 11-10-2019 at IASRI, New Delhi.
7. A 21 days training programme of ICAR-CAFT on Computational Tools and Techniques for Molecular Data Analysis in Agriculture during 11th Feb, 2016 to 2nd March 2016 at IASRI, New Delhi.
8. **An Orientation programme for Academic Counselors of IGNOU** relating to SPMVV, SV Arts College Tirupati and SG Govt. College Piler, on 25th July 2014 conducted by IGNOU, Regional Centre, Vijayawada at Sri Padmavathi Mahila Visvavidyalayam, Tirupati.
9. **An Orientation Programme** for 28 days during 25-11-2013 to 21-12-2013 at Academic Staff College, Sri Venkateswara University, Tirupati.
10. UGC-SAM Workshop on ‘**Capacity Building of Women Managers in Higher Education**’ during 20-24 September, 2011 organized by Sri Padmavathi Women’s Degree & PG College, TTD, Tirupati.
11. Training Programme on ‘**Lead India 2020**’ during 22-26 July, 2008 organized by Sri Venkateswara Employees Training Academy, TTD, Tirupati.

vii. Memberships in Research Organizations: 10

S.No	Name of the Society/association	Type of Membership
1	Operations Research Society of India (ORSI)	Life member ID: 0658/P/03/MSL
2	Indian Society for Probability and Statistics(ISPS),Tirupati Chapter	Life member ID: LM/29/017
3	Indian Association for Social Sciences and Health (IASSH)A Chapter of the Asia Pacific Network	Life member ID.no. 839

4	Andhra Pradesh journal of Agricultural sciences	Life member ID.No.87/2015
5	MTC Global	Life member MTCG/M/L/2016/09/47
6	The Indian Science Congress Association, Kolkata, India Association	Life member ID.No.L31346
7	Society of Statistics, Computer and Applications, New Delhi	Life member IM20190423
8	Society of Agri nanotechnology, Tirupati, Andhra Pradesh	Life member No.L/12/2017
9	Indian Society of Agricultural Information Technology	Life member
10	Indian Society for Agricultural Statistics	Life member ISAS/AM/22-23/9007

viii. Software/Programmes developed: 4

- ANGRAU Fertiliser Planner 2015
- TM calculator
- Fertiliser Planner based on Soil Test Values
- PIC calculator

ix. Copy rights: 1

Dr.P.Lavanya Kumari -Copy rights achieved for the technology 'ANGRAU Fertiliser Planner-2015(AFP-2015)' developed .(Ref.Diary No. 2185/2020/CO/L, on dt. 08-06-2020.

11. Extension:

Project work:1

Research project on '**Some Applications of Statistical Methods in a Soft Drink Bottling Company**' in 1996 to forecast the future sales and to fix the shortest route which minimizes the expenses.

Surveys: 6

12. Others:

Paper Setter and External Examiner

- Sri Venkateswara University, Tirupati
- Sri Padmavathi Mahila Visvavidyalayam (Women's University), Tirupati.
- Dravidian University, Kuppam,
- Acharya Nagarjuna University, Guntur.
- Sri Venkateswara Medical Sciences, Tirupati
- Prof Jayasankar Telangana state Agricultural University, Telangana
- Tamilnadu Agricultural University, Coimbatore
- Reviewer for Journals
- Asian Journal of Agricultural Extension, Economics & Sociology
- Andhra Pradesh Journal of Agricultural Sciences

As a Statistical Consultant & Data Analyst

- Statistical Consultant for Research Projects (Major and Minor), Doctoral and Post-Doctoral thesis of various Universities and organizations. (2000-2012)
- Quantitative Analyst for 'Young Lives' an International Study of Child Poverty, Sri Padmavathi Mahila Visvavidyalayam (Women's University), Tirupati. (2006-12)
