

Ms. P. Wasana Jeewanthi
Lecturer in Statistics

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1. PROFILE

A Lecturer, in the field of Bio-Statistics having graduated in Physical Sciences and specialized in Statistics and mastered in Bio Statistics with research interests on Experimental Designs, Nonparametric data analysis and Climate change modeling. Committed to serve the organisation by the level best being hardworking, responsible, determined, enthusiastic, and self-motivated.

2. EDUCATIONAL QUALIFICATIONS

2015 – 2016 **MSc (Bio Statistics)** - Post Graduate Institute of Agriculture, University of Peradeniya, Sri Lanka

Cumulative GPA 3.92(out of 4)

2008 – 2012 **BSc (Specialized in Statistics)** University of Sri Jayewardenepura , Gangodawila , Nugegoda, Sri Lanka

3. ACADEMIC HONOURS (AWARDS, RECOGNITIONS AND SCHOLARSHIPS)

2016 Best Presenter award- Annual Research Colloquium on Agrarian Studies in Sri Lanka organized by Hector Kobbekaduwa Agrarian Research Institute (HARTI), Sri Lanka

2016 Best paper award – International Conference on Business, Economics, Social Sciences & Humanities (BESSH-2016) held at Seoul, South Korea.

4. PUBLICATIONS

4.1 Peer Reviewed Journal Articles

- Sankalpa J.K.S, Wasana Wijesuriya and **Jeewanthi P.W.**, “Export performance of the rubber products manufacturing sector in Sri Lanka.”, *Journal of Rubber Research Institute* 2013.vol 13:51-62
- Wijesuriya W, Dissanayake D.M.A.P, Herath H .M. L. K, Karunaratne S.B, **Jeewanthi P .W.**, Kulasekera B.R. and Gurusinghe C .S., “Analysis of rainfall in aid of effective management of Rubber plantations in Eastern, North central and Northern provinces of Sri Lanka.”, *Journal of Rubber Research Institute* 2013.vol 13:72-88

- Senarathne S.M.A.C.U., Peduruhewa P.S., **Jeewanthi P.W.**, Wijesinghe W.A.J.P., Wijerathne D.K., Karandawala K.W.P.D., Fernando H.R.P. and Hettiarachchi D.N. “Effect of Cooking on Ascorbic Acid and Total Polyphenol Content and Antioxidant Activity of Selected Vegetables”. *Annals of Sri Lanka Department of Agriculture* 2017. 19: 16-26
- Rathnayake R.M.D.S., Hettiarachchi D.N, **Jeewanthi P.W.**, Wijesinghe W.A.J.P, “Development of a vegetable salad dressing and evaluation of its nutritional physiochemical and sensory properties”. *Journal of Agriculture and Value Addition*, 2019, vol.2(1):71-78

4.2 Abstracts/Extended Abstracts

- **Jeewanthi P.W.** ,Herath H.M.L.K, Wijesuriya W, Jayasinghe-Mudalige U.K., Edirisinghe J.C., Udugama J.M.M, Silva K.D.R.R, and Perera D.A.M. , “Forecasting of prices of rice in the Sri Lankan market: The case of red raw rice” , *Proceedings of the Young Scientists Forum symposium* 2013:80-83
- Wasana Wijesuriya, Sankalpa J.K.S., Karunaratne S.B., Dissanayake D.M.A.P., **Jeewanthi P.W.**, Abeywardene O.V. “Identifying Rainfall and Drought Dynamics Using Standardized Precipitation Index (SPI): An Application in Non-traditional Rubber Growing Areas in Eastern, North Central and Northern Provinces of Sri Lanka”. *Proceedings of the 5th symposium on crop research* 2014:275-285
- **Jeewanthi P.W.** ,Herath H.M.L.K, Wijesuriya W, Jayasinghe-Mudalige U.K., Edirisinghe J.C., Udugama J.M.M and Silva K.D.R.R, , “Structural breaks in prices of common rice types in the Sri Lankan market” *Proceedings of the International Symposium on Agriculture & Environment* 2014:413-416
- **Jeewanthi P.W.**, Wijesuriya W. and Sankalpa J.K.S. “ Use of Information on Rainfall Behaviour to Assist Timely Management of Agronomic Operations in Rubber Plantations in the Agro Ecological Region – WL1a”.*Proceedings of the young scientist forum symposium* 2014: 100-103.
- **Jeewanthi P.W.**, Wijesuriya W and Herath H.M.L.K, “R codes for calculation of optimum plot size” *Proceedings of Wayamba International Conference* 2014. page 297
- Wijesuriya W, Sankalpa J.K.S., **Jeewanthi P.W.**, Karunaratne S.B. and Herath H.M.L.K., “Identifying Spatial and Temporal Behaviour of Droughts Using the Standardized Precipitation Index (SPI)”. *Proceedings of the International Statistics Conference* 2014:102.
- Padmathilake M.A.V.N., Withanage N.S., Dharmadasa R.A.P.I.S., Wijesuriya W. and **Jeewanthi W.**, “Interference of Tapping due to Rainfall and Effectiveness of Rain Guards Under Different Scenarios: A Case Study in the Dartonfield Rubber Estate”. *Proceedings of the 6th Research Symposium, Uva wellassa University* 2016: page 95.

- **Jeewanthi P.W.**, Wijesuriya W. and Sankalpa J.K.S. “Changes Observed in Rainfall Patterns in Three Major Rubber Growing Areas”. *Annual Research Colloquium on Agrarian Studies in Sri Lanka 2016*: page 25.
- **Jeewanthi P.W.**, Kumari K.W.S.N. and Kahandage K.P.M. “Factors Effect on Tourist Satisfaction in Sri Lanka: A case study in Uva Province”. *Proceeding of International conference on Business, Economics, Social Sciences & Humanities 2016*: page 17
- Padmathilake M. A. V. N., Withanage N. S., Dharmadasa R. A. P. I. S., Wijesuriya W. and **Jeewanthi P.W.** (2016). “Interference for tapping due to rainfall and effectiveness of rainguards under different rainfall scenarios: A case study in the Dartonfield Rubber Estate”. *Proceeding of Wayamba International Conference 2016*: 138p.
- **Jeewanthi P.W.**, Wijesuriya B. W. and Sarath Kumara (2016). Application of response surface method for optimizing the efficiency of a process: A case study from centrifuge latex manufacturing process. *Proceeding of Wayamba International Conference 2016*: 297p.
- Tennakon T.M.S.K., Premathilake K.G. , **Jeewanthi P.W.**, Rathnayake P. and Darmadasa R.A.P.I.S. “Willingness of Stakeholders to Adopt US Dollars in Colombo Tea Auction”. *Proceeding of International Research Symposium Uva Wellassa University 2017*: 79p.
- Karunarathna J.M.C.U., Rebeira S.P., **Jeewanthi P.W.** and Wijesinghe W.A.J.P., “Development of Fruit Incorporated Nutritionally Rich Rice Milk Shake”. *Proceeding of International Research Symposium Uva Wellassa University 2017*: 160p
- Leelarathna K.D.C.P., Amarasena C.S., Kahandage K.P.M., **Jeewanthi P.W.** and Abeyrathne E.D.N.S., “A Feasibility Study on Implementing Total Quality Management for Scondary Tea Manufacturing Factory”. *Proceeding of International Research Symposium Uva Wellassa University 2017*: 163p
- Gayathri V., Senarathne S.M.A.C.U. **Jeewanthi P.W.** and Wijesinghe W.A.J.P., “Identification of Minimum Ethral Concentration and Exposure Time on Induce Ripening of ‘Embul’ Banana (*Musa Spp*)”. *Proceeding of International Research Symposium Uva Wellassa University 2017*: 164p
- Rathnayake R.M.D.S., Hettiarachchi D.N., **Jeewanthi P.W.** and Wijesinghe W.A.J.P., “ Development of a Vegetable Salad Dressing and Evaluation of its Nutritional, Physiochemical and Sensory Properties”. *Proceeding of International Research Symposium Uva Wellassa University 2017*: 174p
- Peduruhewa P.S., Senarathne S.M.A.C.U., **Jeewanthi P.W.** and Wijesinghe W.A.J.P. “ Effect of Cooking on Ascorbic Acid Content, Total Polyphenol Content and Antioxidant Activity of selected Vegetables”. *Proceeding of International Research Symposium Uva Wellassa University 2017*: 177p

- Kumuduni A.J.P., Wijeweera A.A., Jayasingha H.A.S.L., **Jeewanthi P.W.** and Wijesinghe K.G.G. "Evaluation of Yield Variations of True Cinnamon (*Cinnamomum zeylanicum*) in Different Agro-Ecological Regions in Matara District". *Proceeding of International Research Symposium Uva Wellassa University 2017*: 299p
- Guruge K.P.G.K.P., **Jeewanthi P.W.** and Kumara P.B.T.P. "*Kapphapyucus alvarezii* Farming-Potential Alternative Livelihood for Fishers in Valaipadu, Sri Lanka". *Proceeding of Third National Marine Symposium 2017*: 45-46
- Jeewanthi P.W., Wijesuriya W. and Amarakoon A.M.C. "Identifying Changes in Rainfall Distribution using Standardized Precipitation Index (SPI): An Application in Uva Province Sri Lanka". *Proceeding of second International Conference on Climate Change 2018*:5p
- Dilani W.G.M., Wijeweera A.A., Jayasinghe H.A.S.L. and Jeewanthi P.W. "Evaluation of the Quality of Cinnamon Quills". *Proceeding of second International Research Symposium Uva Wellassa University 2018*: 45p
- Kiruthika T., Jeewanthi P.W. and Alwis L.M.H.R. "Effect of Rainfall Changes on Tea Yield Using Standardized Precipitation Index in Badulla". *Proceeding of second International Research Symposium Uva Wellassa University 2018*: 55p
- Rodrigo K.M.D.N., Gunawardhana C.R., Jeewanthi P.W. and Wijesinghe W.A.J.P. "*Development and Assessment of Sensory, Physiochemical and Phytochemical Properties of a Soursop (Annona muricata L.) Jam*". *Proceeding of second International Research Symposium Uva Wellassa University 2018*: 283p

4.3 Scientific Presentations

- Forecasting of prices of rice in the Sri Lankan market: The case of red raw rice - Young Scientists Forum symposium 2013, Hector Kobbekaduwa Agrarian Research Institute (HARTI), Sri Lanka
- Structural breaks in prices of common rice types in the Sri Lankan market.- International Research Symposium on Agriculture & Environment 2014, Ruhuna University, Sri Lanka
- Use of Information on Rainfall Behaviour to Assist Timely Management of Agronomic Operations in Rubber Plantations in the Agro Ecological Region – WL1a- Young scientist forum symposium 2014, Hector Kobbekaduwa Agrarian Research Institute (HARTI), Sri Lanka
- R codes for calculation of optimum plot size- Wayamba International Conference (Winc) 2014. Wayamba University of Sri Lanka.
- Changes Observed in Rainfall Patterns in Three Major Rubber Growing Areas- Annual Research Colloquium on Agrarian Studies in Sri Lanka 2016 , Hector Kobbekaduwa Agrarian Research Institute (HARTI), Sri Lanka

- Factors Effect on Tourist Satisfaction in Sri Lanka: A case study in Uva Province- International conference on Business, Economics, Social Sciences & Humanities 2016, South Korea
- *Kapphapyucus alvarezii* Farming-Potential Alternative Livelihood for Fishers in Valaipadu, Sri Lanka. Third National Marine Symposium 2017, Bandaranayake Memorial International conference hall (BMICH) Sri Lanka
- Identifying Changes in Rainfall Distribution using Standardized Precipitation Index (SPI): An Application in Uva Province Sri Lanka. Second International Conference on Climate Change 2018, Taj Samudra hotel , Colombo

4.4 Theses/Dissertations

Use of Information on Rainfall Behaviour to Assist Timely Management of Agronomic Operations in Rubber Plantations in the Agro Ecological Region – WL1a

5 THESIS SUPERVISION

- Interference for tapping due to rainfall and effectiveness of rainguards under different rainfall scenarios: A case study in the Dartonfield Rubber Estate
- Willingness of Stakeholders to Adopt US Dollars in Colombo Tea Auction
- Development of Fruit Incorporated Nutritionally Rich Rice Milk Shake
- A Feasibility Study on Implementing Total Quality Management for Scondary Tea Manufacturing Factory
- Identification of Minimum Ethral Concentration and Exposure Time on Induce Ripening of 'Embul' Banana (*Musa Spp*)
- Development of a Vegetable Salad Dressing and Evaluation of its Nutritional, Physiochemical and Sensory Properties
- Effect of Cooking on Ascorbic Acid Content, Total Polyphenol Content and Antioxidant Activity of selected Vegetables
- Evaluation of Yield Variations of True Cinnamon (*Cinnamomum zeylanicum*) in Different Agro-Ecological Regions in Matara District
- Evaluation of the Quality of Cinnamon Quills
- Effect of Rainfall Changes on Tea Yield Using Standardized Precipitation Index in Badulla
- *Development and Assessment of Sensory, Physiochemical and Phytochemical Properties of a Soursop (Annona muricata L.)Jam.*

6 TEACHING CONTRIBUTION

- Mathematics for Biological Sciences
- Quantitative Reasoning
- Basics in Statistics
- Experimental Designs
- Bio Statistics

7 **WORK EXPERIENCE**

09.2015 – Present **Department of Export Agriculture, Faculty of Animal Science & Export Agriculture, Uva Wellassa University, Badulla** (www.uwu.ac.lk).

Lecturer (Probationary)

- Conducting Lectures
- Assignment Marking and Grading
- Paper Marking and Grading

01.2013 – 09.2015 **Biometry section, Rubber Research Institute of Sri Lanka Dartonfield, Agalawatta.**

(www.rrisl.lk).

Research Assistant

Project Title:- Assessing Internal & External Trade Policies and Practices Affecting Food Security in Sri Lanka and Identifying Areas for Improvement

Principal Investigator [P.I.] : Prof. Udith K Jayasinghe-Mudalige

Funding agent : National Science Foundation (NSF)

- Statistical consulting
- Data collection
- Data analysis and Interpretation

8 **OTHER POSITIONS HELD**

- Activity coordinator- Invitation committee, General convocation 2017, Uva Wellassa University
- Academic Sub warden - “Catteleya” girls hostel, Uva Wellassa University
- Invigilator – Aptitude test 2018/2017 and 2016.
- Secretary to the Department committee , Department of Export Agriculture 2017-2018
- Assistant Coordinator - final year research for Tea Technology and Value Addition Degree Programme 2017.
- Team member of symposium proceeding printing committee 2016/2015

9 **RESOURCE PERSON**

Resource Person – Student Integration Programe 2018.

10 CONSULTANCIES

Project on Information Management and Dissemination system for farmers in Badulla District: EU BCoB Project – Uva, 2017-2018

Statistical consulting for Aptitude test 2016, Uva Wellassa University.

11 TRAININGS AND WORKSHOPS ATTENDED

Multivariate Data Analysis sort course- Post graduate Institute of Peradeniya

Participated in International Statistics Conference - Galadari hotel, Colombo

12 SCIENTIFIC SOCIETIES MEMBERED

Member –Young Scientist forum

Member – National Science and Technology Commission (Nastec)

Member – Institute of Applied Statistics Sri Lanka

13 PERSONAL INFORMATION

Surname : Polegodage
Name : Wasana Jeewanthi
Gender : Female
Date of Birth : 21st September 1987
Marital Status : Married
Nationality : Sri Lankan