

Ms. P.D.P.M.D. Silva
Lecturer in Plant Protection

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1. PROFILE

As a committed academia at the Centre of Excellence for Value Addition, keen to find a challenging, exciting competencies to progress and make my career life in to a higher academic position while being the best among the best academics in Sri Lankan professional service sector

2. EDUCATIONAL QUALIFICATIONS

M.Sc. in Molecular and Applied Microbiology (2014-2016)
Postgraduate Institute of Agriculture, University of Peradeniya, Sri Lanka

B.Sc. in Tea Technology and Value Addition (2008 - 2012)
Department of Export Agriculture, Uva Wellassa University, Sri Lanka

3. PUBLICATIONS

Silva, P.D.P.M.D., Chandrasena, G. (2019), Antagonistic Effect of Some Native Trichoderma Isolates on Economically Important Fungal Pathogens of Tea (*Camellia Sinensis* (L.) O. Kuntze) in Sri Lanka. International Journal of Agriculture, Environment and Bioresearch (IJAEB), Vol. 04(01), ISSN: 2456-8643, pp 231-237

Sinnarasa, S., **Silva, P.D.P.M.D.**, Alakolanga, A.G.A.W., Mahilrajan, S. (2019), "Optimization of Fermentation Medium for Bioethanol Production from Palmyrah Molasses"; Proceedings of the International Research Conference, Uva Wellassa University of Sri Lanka. ISBN 978-955-0481 -25-5, pp 50

Rangala, R.D.A., Ranpatabendi, T., Perera, G.A.A.R., **Silva, P.D.P.M.D.** (2019), "Development of Rapid Dye Reduction (Resazurin) Test for Determination of Microbiological Quality of Coconut (*Cocos nucifera*) Water"; Proceedings of the International Research Conference, Uva Wellassa University of Sri Lanka. ISBN 978-955-0481 -25-5, pp 237

Abeyasinghe, M.G.D., Wijeweera, A.A., **Silva, P.D.P.M.D.**, Alakolanga, A.G.A.W. (2019), "Effect of Dryer Conditions on Quality of Cinnamon (*Cinnamomum zeylanicum* Blume) Quills before Packing"; Proceedings of the International Research Conference, Uva Wellassa University of Sri Lanka. ISBN 978-955-0481 -25-5, pp 272

Inshirah, A.A.F., Somachandra, K.P., Jayasekara E.A.E.S.S., Alwis, L.M.H.R., **Silva, P.D.P.M.D.** (2019), "Screening of Bean (*Phaseolous vulgaris*) Breeding Lines against

Fusarium Wilt caused by *Fusarium oxysporum* f. sp. Phaseoli”; Proceedings of the International Research Conference, Uva Wellassa University of Sri Lanka. ISBN 978-955-0481 -25-5, pp 294

Dhananji, R.A.W.D., Kaliyadasa, P.E., **Silva, P.D.P.M.D.** (2019), “Formulation of Specific Culture Media *In-vitro* Cultivation of *Exobasidium vexans* Masee”; Proceedings of the International Research Conference, Uva Wellassa University of Sri Lanka. ISBN 978-955-0481 -25-5, pp 307

Ranasinghe, D.H.Y.A., Premathilake, K.G., **Silva, P.D.P.M.D.**, Gunasena, H.M.P.M. (2019), “Investigation of Possible Vesicular Arbuscular Mycorrhizal (VAM) Associations in Prevalent Weeds in Tea Cultivations of Uva Region”; Proceedings of the International Research Conference, Uva Wellassa University of Sri Lanka. ISBN 978-955-0481 -25-5, pp 549

Rupasinghe, P.S.A., Wijekoon, W.M.R.W.B., Chandrasena, G., **Silva, P.D.P.M.D.** (2018), “Identification of Alternative Host Plants for *Colletotrichum gloeosporioides* Causing Nutmeg Leaf Fall Disease”; Proceedings of Annual Symposium on Export Agricultural Crops (ASEAC), ISSN 2279-204 – X-Vol 5. Pp 77-84

Balasooriya J.O.S., Chandrasena, G., **Silva, P.D.P.M.D.**, (2018), “Isolation and Identification of Soil Microbial Strains in Tea Lands and Screening for Economically Important Properties”; Proceedings of International Research Symposium of Sri Lanka Council for Agriculture Research Policy (SLCARP). pp 49

Sandamalia P.K.N.N., Chandrasena G., Fernando T.H.P.S., **Silva P.D.P.M.D.**, (2018), Antagonistic effect of native *Trichoderma* isolates on economically important foliar pathogens of rubber – Full Length Paper, Journal of Agriculture and Value Addition (JAVA), Vol 1 (1), ISSN 2579-1850, pp 25-31

Rupasinghe, P.S.A., Wijekoon, W.M.R.W.B., Chandrasena, G., **Silva, P.D.P.M.D.** (2018), “Assessment of Avocado as a Potential Host Plant for *Colletotrichum gloeosporioides* Causing Nutmeg Leaf Fall Disease”; Proceedings of 2nd International Research Symposium of Uva Wellassa University of Sri Lanka. pp 31

Senarathne, M.D.T.K., Kumara, E.A.S., Chandrasena, G., **Silva, P.D.P.M.D.** (2018), “Evaluation the effect of Selected Synthetic Chemical on the Growth of *Pseudomonas* spp. in Nitrile Latex”; Proceedings of 2nd International Research Symposium of Uva Wellassa University of Sri Lanka. pp 25

Weerapura, W.H.T.P., Subhashini, M.H.A.D., Chandrasena, G., **Silva, P.D.P.M.D.** (2018), “Detection of Fungal Contamination in Export Coir Consignments”; Proceedings of 2nd International Research Symposium of Uva Wellassa University of Sri Lanka. pp 50

Jayamali, N.A.I., Wijesinghe, W.A.J.P., **Silva, P.D.P.M.D.** (2017), “Effect of Green Tea Incorporate Edible Coating on the Fresh Strawberries”; Proceedings of the 6th Postharvest Unlimited ISHS International Conference - Madrid. VII P9

Cristy, E.J.S.B.A., Chandrasena, G., Mahilrajan, S., **Silva, P.D.P.M.D.**, Kabilan, R., Sri Vijeindran S. (2017), “Pretreatment of Palmyrah Coir Dust and Bioethanol Production”; Proceedings of International Research Symposium of Uva Wellassa University of Sri Lanka. pp 14

Perera, B.H.K., **Silva, P.D.P.M.D.**, Abeyrathne, E.D.N.S. (2017), “Isolation of Commonly Found Foodborne in University Cafeteria during Outbreaks in 2016 and Possible Remedies to Minimize the Contamination”; Proceedings of International Research Symposium of Uva Wellassa University of Sri Lanka. pp 173

Gamage, K.G.N.M., Sinniah, G.D., Chandrasena, G., **Silva, P.D.P.M.D.**, Fernando, M.S.C., Edirisinghe, E.N.U. (2017), “Identification of Factors Contributing to Ontogenic Resistance of Tea (*Camelia sinensis*) Leaves to Blister Blight”; Proceedings of International Research Symposium of Uva Wellassa University of Sri Lanka. pp 285

Ruwanmalee, D.M.B.R., Weerathne, W.A.P.G., Chandrasena, G., **Silva, P.D.P.M.D.** (2017), “Screening of Resistance to Bacterial Wilt Caused by *Ralstonia solanacearum* in Selected Tomato Lines”; Proceedings of International Research Symposium of Uva Wellassa University of Sri Lanka. pp 291

Nanthika, J., Chandrasena, G., **Silva, P.D.P.M.D.** (2017), Antagonistic Effect of *Tricoderma* spp. Against Fungal Strains Isolated from Tea (*Camelia sinensis*) Leaves”; Proceedings of International Research Symposium of Uva Wellassa University of Sri Lanka. pp 296

Kusalani, T.L.C.N., Somachandra, K.P., Chandrasena, G., **Silva, P.D.P.M.D.**, Jayasekara, E.A.E.S.S. (2017), “Crown Gall Disease of Rose: Isolation, Characterization and Chemical Control”; Proceedings of International Research Symposium of Uva Wellassa University of Sri Lanka. pp 315

Senarathna T.S., Allakolanga A.G.A.W., **Siva, P.D.P.M.D.**, Liyanage A.C., Palangasinghe L.R., (2017), “ Optimization of Brewing Conditions for Different Green Tea Grades on Scientific Basis”; Proceedings of International Research Symposium of Uva Wellassa University of Sri Lanka. pp 154

Jayamali N.A.I., Wijesinghe W.A.J.P., **Silva P.D.P.M.D.** (2016), “Development of Active Edible Coating Spray as a Packing Strategy for Fresh Strawberry using Green Tea Extract”; Proceedings of the 2nd National Symposium on Agriculture, Faculty of Agriculture, Eastern University of Sri Lanka. pp 4-7

Amarasinghe, A.A.I.M., Alwis, L.M.H.R., **Siva, P.D.P.M.D.**, Basnayake, B.M.V.S., Tennakoon, T.M.N.D., Nandasena, K.D. (2016), “Detection and Confirmation of Phytoplasma Disease in Different Crop Species by Using Molecular Technology”; Proceedings of the 6th Annual Symposium of Uva Wellassa University of Sri Lanka. pp 08

Chandrasiri, A. B. K., Bandara, S. M. I. P. G., **Siva, P.D.P.M.D.** (2016), “Effect of Melting on Flavour Granules Used in Flavoured Tea Bags”; Proceedings of the 6th Annual Symposium of Uva Wellassa University of Sri Lanka. pp 36

Ellepola, V.P., Premathilake, K.G., **Siva, P.D.P.M.D.**, Chitty, A. (2016), “Value Addition to Off Grade Tea by Incorporating Tea Aroma”; Proceedings of the 6th Annual Symposium of Uva Wellassa University of Sri Lanka. pp 47

Gunarathna, W.A.H.A., Premathilake, K.G., **Siva, P.D.P.M.D.**, Wanniarachchi, M. (2016), “Conjoint Analysis to Evaluate the Consumer Preference on Flavoured Tea”; Proceedings of the 6th Annual Symposium of Uva Wellassa University of Sri Lanka. pp 160

Peduruarachchi, D.M.N.H., **Siva, P.D.P.M.D.**, Gunadasa, H.K.S.G., Samaranayake, H.G.H. (2016), Development of Polyphenol Incorporated Herbal Hair Shampoo by Using Tea Fluff”; Proceedings of the 6th Annual Symposium of Uva Wellassa University of Sri Lanka. pp 56

Perera, G.Y.A.D.D., Chandrasena, G., **Siva, P.D.P.M.D.**, Somachandra, K.P. (2016), “Screening a Bean Germplasm for Fusarium Wilt Disease, Caused by *Fusarium oxysporium* f. sp. *Phaseoli*”; Proceedings of the 6th Annual Symposium of Uva Wellassa University of Sri Lanka. pp 75

Sandamali, P.K.N.N., Chandrasena, G., Fernando, T.H.P.S., **Siva, P.D.P.M.D.** (2016), “Antagonistic Effect of Five Native *Trichoderma* Isolates on Economically Important Foliar Pathogens of Rubber”; Proceedings of the 6th Annual Symposium of Uva Wellassa University of Sri Lanka. pp 85

Shivanth, S., Alakolanga, A. G. A. W., **Siva, P.D.P.M.D.**, Cooke, A. A. (2016), “Estimation of Quality of Black Tea Grades by Different Brewing Methods and their Chemical Composition”; Proceedings of the 6th Annual Symposium of Uva Wellassa University of Sri Lanka. pp 22

Siva, P.D.P.M.D., Thammitiyagodage, M., Chandrasena, G. (2016), “Excision Wound Healing Potential of Tea (*Camellia sinensis*) Leaf Extract Using BALB/c Mice”; Proceedings of the 3rd Annual Symposium of Sri Lanka Association for Laboratory Animal Science (SLALAS) held on 28th and 29th of January 2016 at Sri Jayawardanapura University of Sri Lanka

Silva P.D.P.M.D. (2015), Molecular Basis of Plant Recognition by Bacteria - A Mini Review. Academic Agricultural Journal of Agricultural Science and Research (ARJASR), Vol. 03(10), ISSN: 2360-7874, pp 304-311

Siva, P.D.P.M.D., Chandrasena, G. and Jayasinghe, S. K. L. (2012), “Antibacterial Activity of Tea (*Camellia sinensis*) Leaves Extract against Wound Pathogenic Bacteria”; Proceedings of the 3rd Annual Symposium of Uva Wellassa University of Sri Lanka

4. **RECENT RESEARCH PROJECTS INVOLVED**

Investigation of Eco-friendly Control Measures for Sena Caterpillar (fall Army Worm) found in Maize Cultivation in Badulla District

Antagonistic Effect of Some Native *Trichoderma* Isolates on Economically Important Foliar Pathogens of Tea

5. **GRANTS RECEIVED**

UWU/RG/ST/2019/018

UWU/RG/2016/07

6. **THESIS SUPERVISION**

Co-Supervisor for Undergraduate Research Projects

7. **TEACHING CONTRIBUTION**

Lecturer/ Course Coordinator for;

- Principles of Microbiology
- Principles of Plant Pathology
- Advanced Agricultural Microbiology
- Industrial Microbiology
- Agricultural Microbiology

Lecturer in Lecture Panel of;

- Principles of Plant Protection
- Pest and Disease Management

8. **WORK EXPERIENCE**

From 15th September, 2016 Up to date

Working as a **Lecturer (Probationary)** attached to the Department of Export Agriculture at Uva Wellassa University of Sri Lanka with special emphasis on Microbiology and Plant Pathology

From 20th May, 2014 to 15th September, 2016

Worked as a **Temporary Lecturer** attached to the Department of Export Agriculture at Uva Wellassa University of Sri Lanka with special emphasis on Microbiology and Plant Pathology

From 20th May, 2013 to 19th May, 2014

Worked as a **Demonstrator** in Tea Technology and Value Addition Degree Programme attached to the Department of Export Agriculture at Uva Wellassa University of Sri Lanka

From 01st October, 2012 to 18th May, 2013

Worked as **Management Trainee** in the Department of Tea in Akbar Brothers (Pvt) Ltd, Colombo, Sri Lanka

9. OTHER POSITIONS HELD

Academic Sub Warden – Female Hostels
Mentor

10. RESOURCE PERSON

Resource Person in the field of Agricultural Biology for the Curriculum Revision of BSc. in Export Agriculture, Uva Wellassa University of Sri Lanka - 2016

Resource Person/ Coordinator in the field of Plant Pathology for the “Workshop for Advanced level students in Bio-systems Technology - Uva Province, Sri Lanka - 2016

Resource Person in the field of Plant Pathology for the “Workshop for Advanced level school teachers in Uva Province, Sri Lanka – 2015

11. TRAININGS AND WORKSHOPS ATTENDED

Workshop on “High Tech Instruments Uses” organized by the Department of Science, Uva Wellassa University of Sri Lanka – 2018

Workshop on “Research Management Tools and Techniques” conducted by the Staff Development Centre of Uva Wellassa University of Sri Lanka – 2017

Workshop on “DNA Barcoding of Biological Samples and Its Applications as a Tool for Identification of Species” conducted by the Paul Herbert Centre for DNA Barcoding and Biodiversity Studies, India – 2016

Certificate Course on “Teaching and Learning in Higher Education” conducted by the Staff Development Centre, Uva Wellassa University of Sri Lanka – 2016

Diploma in Quality Control and Management in Sri Lanka Standards Institution, Colombo, Sri Lanka (From 31st March 2012 to 31st March 2013)

Six months **Industrial Training Programme** (From 02nd April, 2012 to 02nd October, 2012) was completed as a partial fulfillment of the Degree Programme at Akbar Brothers (Pvt) Limited, Colombo, Sri Lanka

Two months **Creeper Training Programme** (From 09th November, 2010 to 31st December, 2010) was completed as a partial fulfillment of the Degree Programme at Balangoda Plantation (PLC), Badulla, Sri Lanka

Fair **Factory training** was obtain about black tea manufacturing at the automated factory in Ankumbura, Matale, Sri Lanka from 20th July, 2010 to 20th August, 2010

Six months work experience at Infortec International Institute, Kurunegala, Sri Lanka as a **Computer Lab Instructor**

Higher Diploma in Computer Science - 2006/2007

12. SCIENTIFIC SOCIETIES MEMBERED

Member of Institute of Biology, Sri Lanka – 2018 onwards

Member of Uva Agricultural Development Forum (UADF) – 2016 onwards

13. PERSONAL INFORMATION

Surname : Silva
Name : Prashansani Madhusa Darshani
Gender : Female
Date of Birth : 05th October, 1986
Marital Status : Married
Nationality : Sri Lankan