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1. **PROFILE**

Dedicated resourceful and innovative Academician and Researcher doctored in the field of Crop Physiology offering many years of well-honed teaching experience with expertise in stress physiology especially heat and drought stress.

2. **EDUCATIONAL QUALIFICATIONS**

PhD in Crop Physiology. School of Plant Biology, The University of Western Australia Australia (2015).

MSc in Crop Science (Final GPA 3.93). Post Graduate Institute of Agriculture, University of Peradeniya, Sri Lanka (2009).

BSc in Agriculture, First Class Honours (Final GPA 3.78). Faculty of Agriculture, University of Peradeniya, Sri Lanka (2006).

3. **ACADEMIC HONOURS (AWARDS, RECOGNITIONS AND SCHOLARSHIPS)**

Graduate level

- ❖ Endeavour Postgraduate Award 2012
- ❖ Selected for International Postgraduate Research Scholarship (IPRS), Australian Postgraduate Awards (APA) and Australia Leadership Awards (ALA) -2012
(Offers were declined due to the acceptance of Endeavour Postgraduate Award)

Undergraduate level

- ❖ **Prof. Y.D.A.Senanayake Gold Medal** for Crop Science (2006)
- ❖ **Prof. H.P.M. Gunasena Gold Medal** for Crop Science (2006)
- ❖ **Dr. and Mrs. K.B. Sangakkara Memorial Prize** in Crop Science (2006)
- ❖ **Ananda Amerasinghe Memorial Prize** (2006)
- ❖ **S.F.H. Perera Memorial Prize** (2006)
- ❖ **Upali Ekanayake Memorial Prize**
- ❖ **University Scholarship for Best Performance** for the First Examination in Agriculture (2004)

4. PUBLICATIONS (Selected)

4.1 Peer Reviewed/Indexed Journal Articles

Ranawana, S.R.W.M.C.J.K., Pathinayake, P.W., Kaliyadasa, P.E. and Prematilake, K.G. (2024). Allelopathic potential of selected shade tree species to control weeds in tea plantations. *International Journal of Agricultural and Natural Sciences*, 17(2), 165-180.

Priyadarshana, R.W.I.B., Subasinghe, H.M.P.A., **Ranawana, S.R.W.M.C.J.K.** and Herath, H.M.S.K. (2024). *Journal of Agriculture and Value Addition*, 07 (2) (Accepted April 2024)

Dharmasena, W.G.C.P., Herath, H.M.S.K., **Ranawana, S.R.W.M.C.J.K.** and Wanigasekara, R.B.H.K. (2024) Determination of effective nitrogen level to optimize yield and quality of potato varieties of CONNECT and MASAI. *Journal of Tropical Agriculture Research and Extension*. (Accepted July 2024)

Jayasinghe, S. L., **Ranawana, C. J. K.**, Liyanage, I. C. and Kaliyadasa, P. E. (2022). Growth and yield estimation of banana through mathematical modelling: A systematic review. *The Journal of Agricultural Science*, 160(3-4), 152-167.

Bramley, H., **Ranawana, S.R.W.M.C.J.K.**, Palta, J. A., Stefanova, K., & Siddique, K. H. (2022). Transpirational leaf cooling effect did not contribute equally to biomass retention in wheat genotypes under high temperature. *Plants*, 11(16), 2174.

Ranawana, S. R. W. M. C. J. K., Siddique, K. H. M., Palta, J. A., Stefanova, K., & Bramley, H. (2021). Stomata coordinate with plant hydraulics to regulate transpiration response to vapour pressure deficit in wheat. *Functional Plant Biology*. 48 (9), 839-850.

Madhushani, W. H., Priyadarshana, R. W. I. B., **Ranawana, S. R. W. M. C. J. K.**, Senarathna, K. G. C., & Kaliyadasa, P. E. (2021). Determining the Crystallinity Index of Cellulose in Chemically and Mechanically Extracted Banana Fiber for the Synthesis of Nanocellulose. *Journal of Natural Fibers*, 1-9.

Wettasinghe, D.R.Y., Silva, L.C., **Ranawana, S.R.W.M.C.J.K.**, Jeewanthi, P.W. and Yoshimoto, M. (2021). Effect of Near Canopy Thermal Changes on Growth, Yield and Grain Sterility of Three Ultra-short Age Rice Varieties Under Aerobic and Flooded Conditions. *Journal of Agriculture and Value Addition*. 4 (1), 46-54.

Priyadarshana, R.W.I.B., Kaliyadasa, P.E., **Ranawana, S.R.W.M.C.J.K.** and Senarathna, K. G.C. (2020). Biowaste Management: Banana Fiber Utilization for Product Development. *Journal of Natural Fibers*, 1-11.

Weerawansha, A.N.R., **Ranawana, S.R.W.M.C.J.K.**, Jayasinghe, H.A.S.L and Abeysekara, N.N.R. (2016). Comparative efficacy of selected less mammalian toxic insecticides against tobacco cutworm (*Spodoptera litura*). *Life Sciences*. 3 (2): 77-79

Ranawana, S.R.W.M.C.J.K., Weerakkody, W.A.P. and Wahundeniya, K.B. (2008). Comparison of growing systems for cauliflower (*Brassica oleracea* var. botrytis) under tropical greenhouse conditions. *Vegetable Science*. 35(2):119-123

Ranawana, S.R.W.M.C.J.K. and Eeswara, J.P. (2008). Effects of type and size of stem cutting and propagation media for rapid multiplication of pineapple (*Ananas comosus*). *Tropical Agricultural Research*. 20: 388-394

4.2 Books/Book Chapters

Ranawana, S. R. W. M. C. J. K., Bramley, H., Palta, J. A., and Siddique, K. H. (2023). Role of Transpiration in Regulating Leaf Temperature and its Application in Physiological Breeding. In *Translating Physiological Tools to Augment Crop Breeding* (pp. 91-119). Singapore: Springer Nature Singapore.

Farmer Guide Book: Nawa Lowata Krushi Thakshanaya” (Sinhala). (2008). Sri Lanka Export Development Board.

4.3 Abstracts/Extended Abstracts (selected)

Ranawana, S.R.W.M.C.J.K., Siddique, K.H.M., Palta, J.A. and Bramley, H. (2015). Transpiration’s role in dissipating heat in wheat leaves. *Proceedings of the International Wheat Conference*, Sydney, Australia, 20-25 September 2015. p.105

Ranawana, S.R.W.M.C.J.K., Siddique, K.H.M., Palta, J.A. and Bramley, H. (2013). Variation in leaf temperature and rate of transpiration among wheat genotypes grown under two temperature regimes, *Proceedings of the ComBio-International Conference*, Perth, Australia, 29 September 2013 – 03 October 2013. p.54

Ranawana, S.R.W.M.C.J.K., Siddique, K.H.M., Palta, J.A. and Bramley, H. (2013). Genotypic variation in leaf cooling and transpiration response to vapour pressure deficit (VPD) in wheat (*Triticum aestivum* L.), *Proceedings of the Inter-Drought IV International Conference*, Perth, Western Australia, Australia, 2-6 September 2013. p.58

Liyanage, I.C., **Ranawana, S.R.W.M.C.J.K.**, Jayasinghe, H.A.S.L. and Kaliyadasa, P.E. (2024). Analyzing the impact of total dry matter on plant growth and fibre yield of banana. Academic Sessions: Nurturing Excellence in Research: Boosting Empowerment-Oriented Advances in Academic Productivity. Faculty of Graduate Studies and Library University of Ruhuna, Matara, 20th March 2024

Samarakoon, T.S.M.D.M., Jeewanthi, P.W. and **Ranawana S.R.W.M.C.J.K.** (2023). Evaluation of Impact of Climatic Factors on Tea Yield - A Case Study in Badulla Region. *Proceedings of Peradeniya University International Research Sessions 2023, Sri Lanka*, Vol. 24, 20-21 September 2023. p. 233

Samarathunga, R.M.S.D., Ranasinghe, R.A.D.R.A., **Ranawana, S.R.W.M.C.J.K.** and Jeewanthi, P.W. (2023). Effect of Artificial Light on Growth & Leaf Quality of Betel (*Piper betle* L.). *Proceedings of 7th International Research Conference of Uva Wellassa University*. 17-18 August 2023.

Weerasinghe, A.M., Pabasara, P.K.D., Withanage, N.S. and **Ranawana, S.R.W.M.C.J.K.** (2023). Estimating Crop Water Requirement and Crop Coefficient of True Cinnamon (*Cinnamomum zeylanicum* Blume) at Initial Stages Using Simple Lysimeter and Pan Evaporation Approaches. *Proceedings of the International Conference on Building Resilience in Tropical Agro-ecosystems (BRITAE)*, 15-16 March 2023. p. 105

Henricus, T.M., Jeewanthi, P.W., **Ranawana, S.R.W.M.C.J.K.** and Wijesuriya, B.W. (2023). Forecasting rainfall anomalies to minimize the risk in agriculture: A case study in Agalawatta,

Sri Lanka. *Proceedings of the International Symposium on Agriculture and Environment, Faculty of Agriculture, University of Ruhuna*. 18 May 2023. p. 70

Weerasuriya, G.P.A.N., **Ranawana, S.R.W.M.C.J.K.**, Jeewanthi, P.W. and Wijesuriya, B.W. (2023). Effect of different seed priming methods for improving seed germination and seedling growth of some selected crops. *Proceedings of the International Symposium on Agriculture and Environment, Faculty of Agriculture, University of Ruhuna*. 18 May 2023. p. 71

Herath, H.M.S.J., Wanigasekara, R.B.H.K. and **Ranawana, S.R.W.M.C.J.K.** (2023). Evaluating the potential of using cut sets of seed potatoes to propagate Connect and Granola varieties. *Proceedings of the International Symposium on Agriculture and Environment, Faculty of Agriculture, University of Ruhuna*. 18 May 2023. p. 55

Priyadarshana, R.W.I.B., **Ranawana, S.R.W.M.C.J.K.** and Kaliyadasa, P.E. (2022). Variation of Banana Fiber Yield under Different Agro-climatic Zones of Sri Lanka, *Proceedings of the 1st Annual Research Session 2022, ARSFOT-2022, Faculty of Technology, Eastern University, Sri Lanka*, 6 October 2022. p. 42

Liyanage, I.C., Jayasinghe., H.A.S.L., **Ranawana, S.R.W.M.C.J.K.** and Kaliyadasa, P.E. (2021). Non-Destructive Estimation of Leaf Count, Leaf Area, and Pseudostem Characteristics of Banana (*Musa* spp.) Using Weather Parameters. *Proceedings of the International Conference on Innovation and Emerging Technologies, University of Sri Jayawardenepura*, 25-26 November 2021. p.18

Jeewanthi J.R. Kaushalya, **Chandima J.K. Ranawana** and Ewon Kaliyadasa. (2021). Assessing the Potential of Using Selected Plant Species in Extracting Natural Fibers, *Proceedings of the International Conference on Innovation and Emerging Technologies, University of Sri Jayawardenepura*, 25-26 November 2021. p.147

Isuru B. Priyadarshana, Ewon Kaliyadasa and **Chandima J.K. Ranawana**. (2021). Comparison of tensile strength of pseudostem fibers of two commonly grown banana cultivars in Sri Lanka, *Proceedings of the International Conference on Innovation and Emerging Technologies, University of Sri Jayawardenepura*, 25-26 November 2021. p.143

Priyadarshana, R.W.I.B., Kaliyadasa, P.E. and **Ranawana, S.R.W.M.C.J.K.** (2021). Characteristics of fibre extracted from leaves of Banana (*Musa* spp.) cultivar Ambun. *International Conference on Advancements in Sciences & Humanities*, 3-4 December 2021

Ruwanpathirana, C.H., Wanigasekara R.B.H.K., **Ranawana., S.R.W.M.C.J.K.**, Herath., H.M.S.K. (2021). Effect of Spacing, Gibberellic Acid and N: P2O5: K2O Ratio on Growth, Yield and Tuber Shape of Potato Variety Royal. *Proceedings of 8th International Conference of Sabaragamuwa University of Sri Lanka*, 01 - 03 December 2021. p 39

Dharmasena W.G.C.P., Wanigasekara R.B.H.K., Herath., H.M.S.K., **Ranawana., S.R.W.M.C.J.K.** (2021). Evaluation of Growth and Yield Performances of Two Potato Varieties, CONNECT and MASAI under Different Levels of Nitrogen Fertilizer. *Proceedings of 8th International Conference of Sabaragamuwa University of Sri Lanka*, 01 - 03 December 2021. p 40

Ranawana, S.R.W.M.C.J.K., Weerakkodi, W.A.G.I.S., Gunathilaka, K.R.K.S., Kaliyadasa, P.E. (2021). Exploring the Potential of Coconut Water as a Liquid Fertilizer for Greenhouse

Tomatoes (*Solanum lycopersicum* L.). *Proceedings of 5th International Research Conference of Uva Wellassa University*. 1-2 July 2021. p 26

Jayasundara, J.M.S.P., Ilangakoon, T.K., **Ranawana, S.R.W.M.C.J.K.**, G.Y.A.D.D. Perera. (2021). Evaluation of Seed Dormancy, its Associated Seed Morphological Characteristics, and Seed Vigor of Improved Rice Varieties in Sri Lanka. *Proceedings of 5th International Research Conference of Uva Wellassa University*. 1-2 July 2021. p 36

Jayalath, D.U.K.L., **Ranawana, S.R.W.M.C.J.K.**, Kaliyadasa, P.E., Jeewanthi, P.W. (2021). Allelopathic Effect of *Zea mays*, *Senna spectabilis* and *Muntingia calabura* on Weeds: Potential Implication for Controlling Weeds in Tea Lands. *Proceedings of 7th International Conference on Dry Zone Agriculture (ICDA 2021)*, Faculty of Agriculture, University of Jaffna, 3-4 December 2021. p 82

Nishshanka, J.S., Kaliyadasa, P.E., **Ranawana, S.R.W.M.C.J.K.** and Jeewanthi, P.W. (2020). Case Study on Waste Water Management Systems Adopted by Different Industries. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 29-30 July 2020. Pp 249

Senevirathne, K.V.D.K., Bandara, N.P.S.N. and **Ranawana, S.R.W.M.C.J.K.** (2020). Determination of Optimum Water Application Interval for Young Tea Plants. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 29-30 July 2020. Pp 60

Abeysondera, K.M., Abeythilakarathna, P.D., **Ranawana, S.R.W.M.C.J.K.** and Perera, D.Y.A.D.D. (2020). Effect of Root Pruning on Growth and Yield Performance of Potatoes Grown in Aeroponic System. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 29-30 July 2020. Pp 38

Wettasinghe, D.R.Y., Silva, L.C., **Ranawana, S.R.W.M.C.J.K.** and Jeewanthi, P.W. (2020). The Effect of Canopy Thermal Changes on Growth, Yield and Grain Sterility of Three Ultra-short age Rice Varieties under Aerobic and Flooded Conditions. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 29-30 July 2020. Pp 37

Weerakkodi, W.A.G.I.S., **Ranawana, S.R.W.M.C.J.K.** and Jayawardana, N.U. (2020). Amelioration of Cadmium (Cd) Stress in Rice (*Oryza sativa* L.) by using Selected Soil Amendments and Aquatic Plants. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 29-30 July 2020. Pp 24

Adhikari, K.R.N., Jayamanne, J.M.D.D.E. and **Ranawana, S.R.W.M.C.J.K.** (2020). Evaluation of Different Moisture Conservation Methods to Reduce Fruit Cracking in Pomegranate (*Punica granatum*) in Fruiting Stage. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 29-30 July 2020. Pp 23

Priyadarshana, R.W.I.B., Kaliyadasa, P.E., **Ranawana, S.R.W.M.C.J.K.** and Jayasinghe, H.A.S.L. (2020). Effect of Maturity Stage on Fiber Yield of Banana (*Musa* spp.) *Proceedings of SLSAJ Annual Research Conference*. 26 December, 2020. Pp16

Madhushani, W.H., Priyadarshana, R.W.I.B., Kaliyadasa, P.E., **Ranawana, S.R.W.M.C.J.K.** and Senarathna, K.G.C. (2020). Preparation and Characterization of Nanofibers Extracted from Banana. *Proceedings of GARI Winter Multidisciplinary Symposium*. 17 December 2020. Pp 39.

Pathinayake, P.W., **Ranawana, S.R.W.M.C.J.K.**, Kaliyadasa, P.E. and Premathilake, K.G. (2019). Investigation of Potential Allelopathic Shade Tree Species for Controlling Weeds in Tea Lands. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 07-09 February 2019. Pp 543

Ranaweera, R.A.T.L., Kaliyadasa, P.E. and **Ranawana, S.R.W.M.C.J.K.** (2019). Allelopathic Effect of Weeds Extracts on Growth and Yield of Tomato (*Solanum lycopersicum* L.). *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 07-09 February 2019. Pp 551

Gunawardhana, S.N., Jayawardhana, N.U. and **Ranawana, S.R.W.M.C.J.K.** (2019). Determination of Cadmium Accumulation and Consequent Responses of Four Different Rice Varieties in Sri Lanka. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 07-09 February 2019. Pp 547

Weerasinghe, D.N., Wijeratne, T.L., **Ranawana, S.R.W.M.C.J.K.** and Damayanthi, M.M.N. Selection of Climate Resilient Tea Cultivars for Uva Region. (2019). *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 07-09 February 2019. Pp 545

Senanayake, O.S., Silva, N.R.N., **Ranawana, S.R.W.M.C.J.K.** and Weerawansa, A.N.R. (2019). Determination of Neurotoxic Pesticide Residues in Vegetables by Using Rapid Bioassay Method. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 07-09 February 2019. Pp 537

Rajakaksha, R.M.C.Y., Illangakoon, T.K., **Ranawana, S.R.W.M.C.J.K.** and Jeewanthi, P.W. (2019). Effect of High Temperature on Growth, Pollen Fertility and Yield Parameters of Selected Rice Varieties in Sri Lanka. *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 07-09 February 2019. Pp 534

Sriyantha, K.W.A.R., Weerawansa, A.N.R., **Ranawana, S.R.W.M.C.J.K.** and C.H. Edirisooriya. (2019). Determination of Economic Injury Level and Economic Threshold Level of Tobacco Cutworm (*Spodoptera litura*). *Proceedings of the International Research Conference of Uva Wellassa University*, Sri Lanka. 07-08 February 2019. Pp 560

Kanchana, H.L.K., Jayamanne, J.M.D.D.E., **Ranawana, S.R.W.M.C.J.K.** and Withanage, N.S. (2018). Evaluation of different methods of reducing night temperature in seed potato (*Solanum tuberosum* L.) production in simplified nutrient film technique. *Proceedings of the Second International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp24

Wijerathne, K.I.M., Kumara, P.G.A.L., **Ranawana, S.R.W.M.C.J.K.** and Jayasinghe., H.A.S.L. (2018). Effect of propagator height on growth and survival rate of black pepper (*Piper nigrum* L.) at nursery stage. *Proceedings of the Second International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp32

Rathnayaka, R.M.S.N., Illangakoon, T.K, Kaliyadasa, P.E and **Ranawana, S.R.W.M.C.J.K.** (2018). Effect of storage conditions on seed dormancy and vigor of newly developed rice varieties. *Proceedings of the Second International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp14

Priyadarshana, R.W.I.B., Subasinghe, H.M.P.A., Herath H.M.S.K. and **Ranawana, S.R.W.M.C.J.K.** (2018). Effect of different irrigation levels on flower initiation and some yield attributes of black pepper (*Piper nigrum* L.). *Proceedings of the Second International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp12

Piratheepan, N., Abhiram, G. and **Ranawana, S.R.W.M.C.J.K.** (2018). Study the effect of Far Infrared-withering on black tea manufacturing. *Proceedings of the Second International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp437

De Silva, D.A.W.Y., Wickrama Arachchi, P.K., **Ranawana, S.R.W.M.C.J.K.** and Abhiram, G. (2018). Effect of technically specified rubber (TSR) variations on rheological properties of soft compound of solid tires. *Proceedings of the Second International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp412

Jayasinghe, H.G.M., **Ranawana, S.R.W.M.C.J.K.**, Jayasinghe, H.A.S.L and Gnanasekaran, R. (2017). Effect of different earthworms feeding materials on physicochemical characteristics of *vermiwash* and growth performances of tea. *Proceedings of the First International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp293

Pathirana, K.P.A.K., Ilangakoon, T.K and Ranawana, **S.R.W.M.C.J.K.** (2017). Screening of rice varieties for heat tolerance based on their agronomic and physiological traits. *Proceedings of the First International Research Symposium of Uva Wellassa University*, Sri Lanka

Sandanayaka, S.A.N.U., Kannangara, K.N. and **Ranawana, S.R.W.M.C.J.K.** (2017). Determination of an optimum spacing pattern for cultivation of ash pumpkin (*Benincasa hispida*). *Proceedings of the First International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp295

Wedage, O.K., Kumara, P.G.A.L and **Ranawana, S.R.W.M.C.J.K.** (2017). Evaluation of a grafting technique by using different types and lengths of scion sticks of nutmeg (*Myristica fragrans* Houtt). *Proceedings of the First International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp288

Kumara, N.P.J.C., Wanniarachchi, D.N., **Ranawana, S.R.W.M.C.J.K.** and Weerawansa, A.N.R. (2017). Identification of potential tobacco (*Nicotiana tabacum*) varieties for Yala season in Sri Lanka. *Proceedings of the First International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp301

Jeewanthi, P.K.A., **Ranawana, S.R.W.M.C.J.K.**, Wijesinghe, H.G.I.M., Liyanagamage, P.J. and Sudarshana, S. (2017). Optimization of processing parameter ranges for reduction of defects in surgical glove production. *Proceedings of the First International Research Symposium of Uva Wellassa University*, Sri Lanka. Pp252

Chamil, R.M.C., Abeysekara, N.N.R. and **Ranawana, S.R.W.M.C.J.K.** (2011). Effect of different nitrogen fertilizer levels on development of nicotine in flue cured tobacco (*Nicotiana tabacum*). *Proceedings of the Research Symposium of Uva Wellassa University*, Sri Lanka

Gamage, P.G.N.C., **Ranawana, S.R.W.M.C.J.K.**, Sarananda, K.H. and Senarathne, S.M.A.C.V. (2011). Effect of stage of maturity at harvest and artificial ripening on postharvest quality of "red lady" papaya. *Proceedings of the Research Symposium of Uva Wellassa University*, Sri Lanka. 15-16 December 2011. Pp159-161.

Haaris, N.M.M., Nugaliyadde, M.M. and **Ranawana, S.R.W.M.C.J.K.** (2011). Effect of different concentration of liquid nutrient solution on potato tuber initiation of two varieties (Granola and Golden star) under hydroponic system. *Proceedings of the Research Symposium of Uva Wellassa University*, Sri Lanka. 15-16 December 2011. pp217-219.

Weerawansha, A.N.R., Abeysekara, N.N.R. and **Ranawana, S.R.W.M.C.J.K.** (2011). Comparative efficacy of selected insecticides in comparison with chlorpyrifos to control tobacco cutworm (*Spodoptera litura*). *Proceedings of the Research Symposium of Uva Wellassa University*, Sri Lanka. 15-16 December 2011. Pp178-181

Bandara, S.M.I.P.G., Wellala, C.K.D. and **Ranawana, S.R.W.M.C.J.K.** (2010). Evaluation of different postharvest treatments on the shelf life of guava (*Psidium guajava* L.). *Proceedings of the Research Symposium of Uva Wellassa University*, Sri Lanka. 16-17 September 2010. Pp52

Rasnayaka, R.M.D.D.M., Sarananda, K.H and **Ranawana, S.R.W.M.C.J.K.** (2010). Ascorbic acid and antioxidant level of ceylon olive (*Elaeocarpus serratus*) as affected by variety, stage of maturity at harvest and different methods of preservation. *Proceedings of the Research Symposium of Uva Wellassa University*, Sri Lanka. 16-17 September 2010. pp55

Uthpala, J.P.T., Malathy, P., **Ranawana, S.R.W.M.C.J.K.** and Nilanthi, W.D.G.P. (2010). Comparison Study on growth and yield parameters among seedlings and stem cuttings of thai kangkong (*Ipomoea aquatica*), *Proceedings of the Research Symposium of Uva Wellassa University*, Sri Lanka. 16-17 September 2010. Pp65.

Ranawana, S.R.W.M.C.J.K. and Weerakkody, W.A.P. (2006). Comparison of growing systems for growth, yield, and nutrient uptake of greenhouse cauliflower in the Mid-Country Wet Zone. *Proceedings of the Final Year Students Research Sessions*. Department of Crop Science, Faculty of Agriculture, University of Peradeniya, Sri Lanka. pp. 79-80

Theses/Dissertations

PhD– Assessing the Role of Transpiration in Ameliorating Leaf Temperature in Wheat in Relation to Changing Environmental Conditions

MSc – Investigation of the Effects of type and size of stem cutting and propagation media for rapid multiplication of pineapple (*Ananas comosus*).

BSc – Comparison of growing systems for growth, yield, and nutrient uptake of greenhouse cauliflower in the Mid-Country Wet Zone

5. GRANTS RECEIVED

2019-2022: Deputy Coordinator- Development Oriented Research (DOR) Grant on “Enhancement of Fiber Yield and Quality for Industrial Applications using Bio waste Generated in Banana Cultivations” under AHEAD project (LKR 40 million)

2018-2021: Co-investigator – NRC Grant on “Investigations on eco-friendly, cultural, physical and allelopathic weed management strategies for tea cultivation as alternatives for synthetic herbicides” (LKR 5.9 million)

2019: Principle Investigator – UWU Short term Research Grants on “Ameliorating Cadmium Stress in Rice” (LKR 50,000)

2019: Co-Investigator – UWU Short term Research Grants Development and Assessment of a Low-Cost portable Kiln for Producing Biochar at Cottage level (LKR 50,000)

6. WORK EXPERIENCE

October 2018 to present:	Senior Lecturer (Grade I), Faculty of Animal Science and Export Agriculture, UWU
September 2015 to September 2018:	Senior Lecturer (Grade II), Faculty of Animal Science and Export Agriculture, UWU
October 2007-September 2015:	Lecturer (Probationary), Faculty of Animal Science and Export Agriculture, UWU
May 2007 - October 2007:	Demonstrator, Faculty of Animal Science and Export Agriculture, UWU
October 2006- April 2007:	Research Assistant, Department of Crop Science, Faculty of Agriculture, UoP

7. TEACHING CONTRIBUTION

Undergraduate Teaching

Principles of Crop Physiology (EAG 114-2), Advanced Crop Physiology (PLT 251-2), Ecophysiology (EAG 314-2), Advanced Tea Physiology (TEA 311-2), Introduction to Agriculture (TEA 151-2)

CTHE Programme conducted by SDC

Course Module-Teaching and Learning: Teaching methods, tools and strategies, Student Centered Teaching and Learning

8. OTHER POSITIONS HELD

❖ Director/International Collaboration Centre (ICC-UWU)

- ❖ Director/Internal Quality Assurance Unit (IQAU)- September 2016 to December 2017
- ❖ Member of the Standing Committee on Quality Assurance and Accreditation Senate Invitee as the Director/IQAU (March to December 2017)
- ❖ Member of the Vice Chancellors' Advisory Committee (September 2016 to December 2017)
- ❖ Acting Head /Department of Export Agriculture, UWU (2011)
- ❖ Chairperson to the Faculty Higher Degree Committee (FHDC)
- ❖ Secretary to the Faculty Higher Degree Committee (FHDC) (September 2016 to September 2017)
- ❖ Course coordinator- MSc in Sustainable Crop Production
- ❖ Panel Member for Judging inventions for “Sahasak Nimavum”- International Exhibition and Competition appointed by Sri Lanka Inventors Commission
- ❖ Internal member of Uva Wellassa University-Mahaweli Development committee appointed to accelerate Agriculture and Livestock Development Programme in two Mahaweli Regions: Rambakenoya and Moragahakanda (Technical advice, farmer and staff training and other rendered services)
- ❖ Member of Panel of judges for evaluation of inventions of Uva Province- Appointed by Sri Lanka Inventors Commission (2016-2018)
- ❖ Member of Board of Study on External Degree Programmes and Extension Courses- “Board of Study Agriculture, CODL
- ❖ Member of the Board of Study on Agriculture Production and Processing
- ❖ Member of the Faculty Curriculum Development and Revision Committee
- ❖ Member of University Curriculum Development Committee
- ❖ Activity Coordinator - Department ELTA-ELSE projects under AHEAD Programme funded by the World Bank (2018-2022)
- ❖ Team Leader of the sub-committee, Agriculture, Uva agriculture Development Forum (UADF) (2018)

9. CONSULTANCIES/COLLABORATIONS

- ❖ Team member of Erasmus+ SUCCESSFUL project
- ❖ Member of the Impact Assessment team of FAO funded project –“Rehabilitation of Degraded Agricultural Lands (Kandy, Badulla and Nuwara-Eliya Districts of the Central Highlands)
- ❖ Member of the Uva Provincial Committee to certify lands that produce organic products through “Participatory Guarantee System (PGS)”.
- ❖ Member of the technical committee to evaluate the status of agricultural lands affected by Uma Oya Multipurpose Development Project

10. PERSONAL INFORMATION

Surname : Ranawana
Name : Chandima
Gender : Female
Date of Birth : 17/04/1981
Marital Status : Married
Nationality : Sri Lankan

ATTESTATION

I hereby certify that all the information provided above is true and correct to the best of my knowledge.

Dr. S.R.W.M. Chandima Jeewanthi Kumari Ranawana
15/07/2024