

Mr. Isuru Priyadarshana
Lecturer (Probationary)
Department of Export Agriculture
Faculty of Animal Science and Export Agriculture
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PROFILE

A passionate and dedicated academic and researcher in the field of agriculture, with hands-on experience in crop science, fiber research, and sustainable agricultural practices. Eager to contribute to academic advancement, innovative research, and the development of eco-friendly agricultural solutions

EDUCATIONAL QUALIFICATIONS

Master of Philosophy (MPhil) in Crop Science

Board of Study in Agriculture and Life Sciences,
Postgraduate Unit,
Uva Wellassa University of Sri Lanka

Bachelor of Science Honours (BScHons) in Export Agriculture

Second Class (Honors) Upper Division
Faculty of Animal Science and Export Agriculture
Uva Wellassa University of Sri Lanka

ACADEMIC HONOURS (AWARDS, RECOGNITIONS AND SCHOLARSHIPS)

- Best presentation at the Agriculture and Environmental Science Stream of the SLSAJ Conference 2020

PUBLICATIONS

Indexed Journal Articles

- 1) Priyadarshana, R. W. I. B., P. E. Kaliyadasa, S. R. W. M. C. J. K. Ranawana, and K. G. C. Senarathna. (2020). Biowaste management: Banana fiber utilization for product development. *Journal of Natural Fibers*. DOI:10.1080/15440478.2020.1776665
- 2) Madhushani, W.H., R.W.I.B. Priyadarshana, S.R.W.M.C.J.K. Ranawana, K.G.C. Senarathna and P.E. Kaliyadasa (2021): Determining the Crystallinity Index of Cellulose in Chemically and Mechanically Extracted Banana Fiber for the Synthesis of Nanocellulose, *Journal of Natural Fibers*. DOI: 10.1080/15440478.2021.1958428

Peer-Reviewed Journal Articles

- 1) Priyadarshana, R.W.I.B., P.E. Kaliyadasa and S.R.W.M.C.J.K. Ranawana. (2021). Characteristics of Fibre Extracted from Leaves of Banana (*Musa spp.*) Cultivar Ambun. *Proceedings of the SLITT International Conference on Advancement in Sciences & Humanities*, 79-82.
- 2) Priyadarshana, R.W.I.B., H.M.P.A. Subasinghe, S.R.W.M.C.J.K. Ranawana and H.M.S.K. Herath (2024). Effect of Different Irrigation Levels on Yield Attributes of Black Pepper (*Piper nigrum* L.). *Journal of Agriculture and Value Addition*, Vol. 7(1): 36-46. DOI: 10.4038/java.v7i1.126
- 3) Sasanka, I., Wijewardane, N. A., Wijesinghe, W. A. J. P., Jeewanthi, W., and Priyadarshana, I. B. (2024). Development of Banana Flour Incorporated Biscuit and Evaluation of its Physicochemical Properties. *Advances in Technology*, 2024(1), 10–23. DOI: 10.31357/ait.v4i01.7858

Abstracts/Extended Abstracts

- 1) Priyadarshana, R.W.I.B., H.M.P.A. Subasinghe, H.M.S.K. Herath and S.R.W.M.C.J.K. Ranawana. (2018). Effect of Different Irrigation Levels on Flower Initiation and Some Yield Attributes of Black Pepper (*Piper nigrum* L.). Proceedings of the 2nd International Research Symposium – 2018, Uva Wellassa University. 12.
- 2) Priyadarshana, R.W.I.B., P.E. Kaliyadasa, S.R.W.M.C.J.K. Ranawana and H.A.S.L. Jayasinghe. (2020). Effect of maturity stage on fiber yield of banana (*Musa* spp.). Proceedings of SLSAJ Annual Research Conference. 16.
- 3) Madhushani, W.H., R.W.I.B. Priyadarshana, P.E. Kaliyadasa, S.R.W.M.C.J.K. Ranawana, and K.G.C. Senarathna. (2020). Preparation and Characterization of Nanofibers Extracted from Banana Pseudostems. Proceedings of GARI Winter Multidisciplinary Symposium. 39.
- 4) Priyadarshana, R.W.I.B., P.E. Kaliyadasa and S.R.W.M.C.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. 143.
- 5) Priyadarshana, R.W.I.B., P.E. Kaliyadasa and S.R.W.M.C.J.K. Ranawana. (2022). Variation of Banana Fiber Yield under Different Agro-climatic Zones of Sri Lanka. Proceedings of the Annual Research Session - 2022, Faculty of Technology, EUSL. 42.
- 6) Jayakody, I.G.H.I., P.G.A.L. Kumara, U.G.A.T. Premathilake and R.W.I.B. Priyadarshana. (2025). Induction of lateral branches in black pepper (*Piper nigrum* L.) nursery plants through hormone treatment and shoot tip removal. Proceedings of National Symposium on Agriculture and Life Sciences, NSALS '25, Uva Wellassa University. 126.

- 7) Wickramasinghe, P.H.N.M., P.E. Kaliyadasa, G.Y.A.D.D. Perera and R.W.I.B. Priyadarshana. (2025). Effect of Potassium Silicate on growth of *Gerbera jamesonii* at acclimatization and field establishment stages in two different potting media. Proceedings of National Symposium on Agriculture and Life Sciences, NSALS '25, Uva Wellassa University. 131.
- 8) Jayalath, J.P.L.S., S.R.W.M.C.J.K. Ranawana, P.E. Kaliyadasa and R.W.I.B. Priyadarshana. (2025). Investigation of physico-chemical properties of Ramie fiber (*Boehmeria nivea*) and its feasibility as a fiber source for tissue paper production. Proceedings of National Symposium on Agriculture and Life Sciences, NSALS '25, Uva Wellassa University. 137.
- 9) Dehiwaththa, D.W.S.N., A. Gunasena, U.G.A.T. Premathilake and R.W.I.B. Priyadarshana. (2025). Evaluating the suitability of different coir pith pellets as nursery pots for chili (*Capsicum annuum* L.). Proceedings of National Symposium on Agriculture and Life Sciences, NSALS '25, Uva Wellassa University of Sri Lanka. 134.

Scientific Presentations

- Priyadarshana, R.W.I.B., H.M.P.A. Subasinghe, H.M.S.K. Herath and S.R.W.M.C.J.K. Ranawana. Effect of Different Irrigation Levels on Flower Initiation and Some Yield Attributes of Black Pepper (*Piper nigrum* L.). 2nd International Research Symposium – 2018, Uva Wellassa University of Sri Lanka.
- Priyadarshana, R.W.I.B., P.E. Kaliyadasa, S.R.W.M.C.J.K. Ranawana and H.A.S.L. Jayasinghe. Effect of maturity stage on fiber yield of banana (*Musa* spp.). SLSAJ Annual Research Conference 2020.
- Priyadarshana, R.W.I.B., P.E. Kaliyadasa and S.R.W.M.C.J.K. Ranawana. Comparison of tensile strength of pseudostem fibers of two commonly grown banana cultivars in Sri Lanka. International Conference on Innovation and Emerging Technologies, 2021.

- Priyadarshana, R.W.I.B., P.E. Kaliyadasa and S.R.W.M.C.J.K. Ranawana. (2022). Variation of Banana Fiber Yield under Different Agro-climatic Zones of Sri Lanka. Annual Research Session - 2022, Faculty of Technology, EUSL.

Theses/Dissertations

- **MPhil thesis on** *Investigation of Factors Contributing to Yield and Quality of Fibre Extracted from Banana Biowaste*, Post Graduate Unit, Uva Wellassa University.
- **BSc thesis on** Variation of flower initiation and some yield attributes of black pepper (*Piper nigrum* L.) under different irrigation levels, Department of Export Agriculture, Faculty of Animal Science and Export Agriculture, Uva Wellassa University.

THESIS SUPERVISION

Co- supervisor for the undergraduate research on:

- Investigation of physico-chemical properties of Ramie fiber (*Boehmeria nivea*) and its feasibility as a fiber source for tissue paper production
- Evaluation of the suitability of different coir pith pellets as nursery pots for chili (*Capsicum annuum* L.)
- Effect of Potassium Silicate on growth of *Gerbera jamesonii* at acclimatization and field establishment stages in two different potting media
- Induction of lateral branches in black pepper (*Piper nigrum* L.) nursery plants through hormone treatment and shoot tip removal

TEACHING CONTRIBUTION

Uva Wellassa University of Sri Lanka (2024 February to date)

- Farming Systems (EAG 253 – 1)

- Cereals and Other Field Crop Production (EAG 251-3)
- Other Beverage and Spice Crops (TEA 251-2)
- Principles of Agronomy (EAG 151-2)
- Organic Agriculture (EAG 355-2)
- Organic Tea Production (TEA 351-2)
- Organic Agriculture (PLT 352-1)
- Plantation Crops Based Farming Systems (PLT 354-1)
- Principles of Seed Technology (EAG 152-1)
- Commercial Seed Production and Nursery Management (EAG 352-2)

WORK EXPERIENCE

- Lecturer (Probationary), Department of Export Agriculture, Faculty of Animal Science and Export Agriculture, Uva Wellassa University of Sri Lanka. (From 02nd February 2024 to Date).
- Temporary Lecturer, Department of Export Agriculture, Faculty of Animal Science and Export Agriculture, Uva Wellassa University of Sri Lanka.
- Temporary Demonstrator, Department of Export Agriculture, Faculty of Animal Science and Export Agriculture, Uva Wellassa University of Sri Lanka.

OTHER POSITIONS HELD

- Academic Sub Warden, Female Hostels (Jayagama D and Udawela B Hostels)
- Field Training Coordinator for Palm and Latex Technology and Value Addition Degree Programme, 2024.
- Industrial Training Coordinator for Palm and Latex Technology and Value Addition Degree Programme, 2024.

RESOURCE PERSON

- For the field visit on the module Basic Soil Science for the students of the Faculty of Technology, University of Colombo.

EXTERNAL COURSES FOLLOWED AND WORKSHOPS ATTENDED

- Certificate course (online) on Biobased agriculture, “Think Biobased” conducted by the Centre of Expertise Biobased Economy from Avans University of Applied Sciences & HZ University of Applied Sciences, Netherlands
- Certificate course (online) on “Agriculture, Economics and Nature” conducted by the University of Western Australia
- Certificate course (online) on “Citizen Science: Living Soils, Growing Food” conducted by the University of Dundee, Scotland and Grow Observatory
- Certificate course (online) on Future Food: Sustainable Food Systems for the 21st Century conducted by the University of Exeter
- Certificate course (online) on Bacterial Genomes: From DNA To Protein Function Using Bioinformatics conducted by the Wellcome Genome Campus Advanced Courses and Scientific Conferences
- Workshop on Climate Smart Agriculture: Strategies for Sustainability and Resilience, Organized by the International Collaboration Centre, Uva Wellassa University of Sri Lanka. (2024).

PERSONAL INFORMATION

Name : Isuru Priyadarshana
Nationality : Sri Lankan
Date of Birth : 03/07/1992
Civil status : Married