

Thamali Kariyawasam



B.Sc. (Hons) in Agricultural Technology & Management

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🔗 <https://www.researchgate.net/profile/Shashika-Kariyawasam>

🔗 <https://scholar.google.com/citations?user=wtFCZ-wAAAAJ&hl=en>

EDUCATION

2016-2020

Faculty of Agriculture
University of Peradeniya

B.Sc. (Hons) in Agricultural Technology & Management

First Class (Honors) GPA 3.89/4.00
Majored in Genetic Improvement of Plants

2020-Present

Postgraduate Institute of Agriculture
University of Peradeniya

M.Sc. in Plant Biology Conservation and Breeding

(Course work by research, tentative thesis title :
Characterizing *Saltol*-mediated Salinity Responses in
selected Sri Lankan Rice Germplasm

WORK

EXPERIENCE

2022-Present

Department of Agricultural Biology
Faculty of Agriculture
University of Peradeniya

Lecturer (Probationary)

Engage in teaching and research in
Agricultural Biology with a special interest
in Genetics and Plant Breeding

2021 Aug-2021 Dec

Department of Agricultural Biology
Faculty of Agriculture
University of Peradeniya

Research Assistant (Temporary)

Engaged in research projects carried by the
Department of Agricultural Biology

2020-2021

Department of Agricultural Biology
Faculty of Agriculture
University of Peradeniya

Lecturer (Temporary)

Engaged in practical and tutorial classes for
subjects offered by the Department of
Agricultural Biology

MEDALS,

AWARDS &

SCHOLARSHIPS

- Golden Jubilee Gold Medal for the most outstanding performance in the core program of the B.Sc. agricultural Technology & Management degree.
- Dr. JWL Peiris Gold Medal in Agricultural Biology
- Gold Medal for the Best Performance in the subject Business Creation and Management of the B.Sc. Agricultural Technology & Management degree
- University Prize for the academic excellence at the final examination
- The SFH Perera Memorial prize for the greatest competence at the 4000 series Examination in Agricultural Technology & Management degree

- The RR Appadurai Memorial Scholarship for the best performance at the Examinations held during the core programme in Agricultural Technology & Management degree
- University Scholarship for the best performance in First Examination of Agricultural Technology & Management degree
- Chinese ambassador scholarship, Sri Lanka (2019)

RESEARCH

PUBLICATIONS

Journal Articles

- **Kariyawasam, T.**, Nanayakkara, D., Sumanarathna, A., Weerasinghe, D., Suriyagoda, L. and Jayatilake, D., 2023. Assessment of submergence stress responses and mining allelic variations of submergence tolerance gene Sub1A in Sri Lankan rice germplasm. *Journal of the National Science Foundation of Sri Lanka*, 51(1). DOI: <http://dx.doi.org/10.4038/jnsfsr.v51i1.11121>

Abstracts

- Jayatilake D.V, Perera G.A.D., Jayawardana N.W.I.A, Hettiarachchi H.A.P.W, **Thamali K.I.S**, Dissanayake D.G.H.M.K, Abeyrathne R.M.S.D.L, Wanigarathna K.A.D.T.L, Perera J.A.M.S.R, Madola I, Rebeira S, Kumara A.D.N.T., Karunarathne S.B., Suriyagoda L.D.B., and Prasantha B.D.R. (2023). Morphological, biochemical and molecular characterization of nutmeg (*Myristica fragrans* Houtt.) germplasm in Sri Lanka. Multidisciplinary Research Symposium 2023, University of Peradeniya, 9th February 2023.
- Jayatilake, K.K.D.V., **Thamali, K.I.S.**, Sumanarathna, W.G.A.S, Nanayakkara, N.H.L.D.L.D., Abyerathne, R.M.S.D.L. and Weerasinghe, W.D.P. (2022) Decoding the genetic potential of Sri Lankan rice germplasm for biotic/abiotic stress mitigation. Peradeniya University Research Excellence Showcase 2022 on 23rd March 2022
- **Thamali K.I.S.**, Nanayakkara N.H.L.D.L.D., Suriyagoda B.M.L.D.B, Weerasinghe W.D.P. and Jayatilake D.V.,(2021) Phenotypic Evaluation of a Core Rice Panel for Sheath Blight Resistance, Peradeniya University International Research Sessions 2021
- De Zoysa, A.M.M., **Thamali, K.I.S.**, Nanayakkara, N.H.L.D.L.D., Jayatilake, D.V., (2020). Assessment of Allelic Diversity in *Salto1* Region of Sri Lankan Rice Varieties. International Poster Presentation Competition (IPPC) 2020. Sep-Oct 2020.
- **Thamali, K.I.S.**, Perera, S.A.C.N., Suriyagoda, L. and Jayatilake, D.V. (2019). Suitability assessment of molecular markers mapped to *Salto1* genomic region for marker assisted selection of salinity tolerance in rice. Proceedings of the 6th Faculty of Agriculture Undergraduate Research Symposium, Faculty of Agriculture, University of Peradeniya, 16 July. P. 87

Books and Book Chapters

- Jayatilake, D., **Kariyawasam, T.** (2022). DNA Markers: An Essential Tool for Cis-genic Improvement of Rice. In: Chaurasia, A., Kole, C. (eds) *Cisgenic Crops: Potential and Prospects. Concepts and Strategies in Plant Sciences*. Springer, Cham. DOI:10.1007/978-3-031-06628-3_10 Print ISBN: 978-3-031-06627-6 Online ISBN: 978 - 3 -031 -06628 – 3
- **Thamali, K.I.S.** and Jayawardana, N.U., 2022. The Current Status of National Biosafety Regulatory Systems in South Asia. *Environment Sustenance and Food Safety: Need for More Vibrant Policy Initiatives for Sri Lanka*, 198, p.198.

Popular Articles

- **Thamali Kariyawasam**, (2020 July) “Uncovering the Genetic Blueprint of Salinity Tolerance-Journey towards climate-ready rice” *Hanthana Blossoms*, Faculty of Agriculture, University of Peradeniya, Volume VI, Issue I, page 13

RESEARCH GRANTS

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- **Principle Investigator** – University Research Grant (URG/2022/07/Ag) “Characterizing allelic variation of *SUB1C* gene in Sri Lankan Rice Germplasm”- 2022
 - **Co-Investigator** – Multidisciplinary Research Grant (Grant No. 263) “Morphological, biochemical and molecular characterization of nutmeg (*Myristica fragrans* Houtt.) germplasm in Sri Lanka”- 2022
 - **Co-Investigator** – Multidisciplinary Research Grant (Grant No. 283) “Exploitation, characterization and conservation of existing coffee genetic resources as a base to develop future varieties and to develop agronomic packages”- 2023
 - **Co-Investigator** University Research Grant “ An Investigation on Underutilized Leguminous Vegetable Crops in Sri Lanka towards Sustainability in Food”- 2023
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TRAINING & INTERNSHIPS

Training

- Plant Breeding 2 Fight Hunger - 14 week training program offered by Michigan State University (May 2021- Aug 2021)
- Certificate in Teaching in Higher Education (CTHE) offered by Staff Development Centre, University of Peradeniya (Aug 2022 - Oct 2022)
- Developing E-learning Modules for Moodle offered by Faculty of Agriculture, University of Peradeniya (Apr 2022 - Apr 2022)

Internships

- Department of Biotechnology, Indian Institute of Madras under Global research internships in engineering sciences, humanities and management programme (July, 2019 - Aug, 2019)
- Horticulture Crop Research and Development Institute, Gannoruwa, Sri Lanka (June, 2019 - July, 2019)

REFEREES

Prof. Chandrika Perera
Professor in Agricultural Biology
Department of Agricultural Biology
Faculty of Agriculture
University of Peradeniya
chandrikaperera@agri.pdn.ac.lk

Dr. Dimanthi Jayatilake
Senior Lecturer
Department of Agricultural Biology
Faculty of Agriculture
University of Peradeniya
djayatilake@agri.pdn.ac.lk