

PUBUDU DARSHANA KAHANDAGE

ADDRESS P.D. Kahandage
No 142/3,
Mabima, Heiyanthuduwa, Sri Lanka.

PHONE +94-0776606224
EMAIL pubudu2144@gmail.com



PERSONAL DETAILS

Date of birth	4/21/1982	Nationality	Sri Lankan
Gender	Male	Marital status	Married

EXPERIENCE

Senior Lecturer in Farm Power and Machinery, Department of Agricultural Engineering and Soil Science, Faculty of Agriculture, Rajarata University of Sri Lanka
March- 2018 – January -2019

Probationary Lecturer in Farm Power and Machinery, Department of Agricultural Engineering and Soil Science, Faculty of Agriculture, Rajarata University of Sri Lanka
March- 2013 – March- 2018

Temporary Lecturer in Farm Power and Machinery, Department of Agricultural Systems, Faculty of Agriculture, Rajarata University of Sri Lanka
January- 2009 – March- 2013

Visiting Lecturer

Riga Technical University Autumn intake-2018, Latvia, Sri Lanka Base Academic program
October-2018 – January 2019

Department of Mechatronics and Department of Manufacturing Engineering, University of Vocational Technology, Rathmalana, Sri Lanka.
January- 2011 – 2019

University College of Anuradhapura, University of Vocational Technology, Anuradhapura, Sri Lanka.
May- 2017 – 2019

College of Technology, Anuradhapura, Sri Lanka
January- 2014 – December- 2015

University College of Kuliypitiya, University of Vocational Technology, Kuliypitiya, Sri Lanka.
July- 2018 – 2019

PUBUDU DARSHANA KAHANDAGE

Resource Person

Teacher Training programmes, North Central Province Education Department, Sri Lanka.

Jury Member to Evaluate Inventions

Jury member to evaluate inventions of North Central Province.

2017 and 2018

EDUCATION

- 2017** **Degree of Master of Philosophy in Agricultural Machinery Engineering**, University of Ruhuna, Matara, Sri Lanka.
- 2011** **Degree of Master of Science in Agricultural and Biosystems Engineering**, University of Peradeniya, Sri Lanka
- 2008** **Degree of Bachelor of Science of Agriculture (Special)**, Faculty of Agriculture, University of Ruhuna, Matara, Sri Lanka.
- 2003** **General Certificate of Education (Advanced Level)** at D.S. Senanayake Collage, Colombo-07, Sri Lanka. **Grades:** Physics A, Biology B, Chemistry B
- 1998** **General Certificate of Education (Ordinary Level)** at Delgoda Kalyana Pradeepa Vidyalayathana Pirivena.

CERTIFICATIONS AND COURSES

- 2015** **Certificate course on Application of GIS**, Rajarata University of Sri Lanka, Mihintale, Sri Lanka
- 2014** **Certificate Course on Academic Staff Development**, Rajarata University of Sri Lanka, Mihintale, Sri Lanka
- 2009** **Training on Operation and Maintenance of Farm Machinery**, West German Farm Mechanization Training Centre, Department of Agriculture, Anuradhapura, Sri Lanka.
- 2009** **Training on Operation and Maintenance of Two wheel and Four wheel tractors**, West German Farm Mechanization Training Centre, Department of Agriculture, Anuradhapura, Sri Lanka.

LEADERSHIP AND PROFESSIONAL ACTIVITIES

PUBUDU DARSHANA KAHANDAGE

Secretary of the Organizing Committee for the Annual Research Symposium of the Faculty of Agriculture, Rajarata University of Sri Lanka, **2014**

Member of the Master Plan development committee, Faculty of Agriculture, Rajarata University of Sri Lanka, **2010**

Member of the Farm Development committee, Faculty of Agriculture, Rajarata University of Sri Lanka. **2016-2018**

Member of the Editorial board of Newsletters, Faculty of Agriculture, Rajarata University of Sri Lanka, **2014-2015**

Member of the Student's Grace Chance committee, Faculty of Agriculture, Rajarata University of Sri Lanka. **2015-2018**

Member of the Medical Certificate Recommendation Committee, Faculty of Agriculture, Rajarata University of Sri Lanka. **2015-2018**

Member of the IT committee, Faculty of Agriculture, Rajarata University of Sri Lanka, **2015-2017**

Member of the Needy scholarship fund committee, Faculty of Agriculture, Rajarata University of Sri Lanka, **2014-2018**

Academic sub warden (Male hostels), Faculty of Agriculture, Rajarata University of Sri Lanka, **2016**

Chief Examiner, Evaluation of Answer scripts of **Agricultural Science Subject**, General Certificate of Advance Level, Sri Lanka, **2018**

Co-controlling Examiner, **Practical Test of Biosystems Technology**, General Certificate of Advance Level, Sri Lanka, **2016-2017**

PATENTS

Pineapple harvester, *Patent number – 16498*

Five row weeding technique for row Planted Paddy, *Patent No – 1650*

Two row paddy transplanter with constant within row and between row spacing
Patent No. 18803 (Pending)

Reciprocating type saw dust sieving machine for oyster mushroom cultivation, *Patent No. 18804 (Pending)*

PUBUDU DARSHANA KAHANDAGE

Drum type ingredient mixing machine for mushroom cultivation, Patent No. 18802 (Pending)

Mixture filling and compaction machine for mushroom cultivation, Patent No. 18805 (Pending)

PUBLICATIONS

Books and Book Chapters

CM Nawarathna, PD Kahandage, KT Ariyawansa(2010), **Rain water harvesting** [Book]
ISBN:978-955-52199-1-4

Chapter of Farm Structures, **Biosystems Technology Reference book for Advance Level (A/L)**, Educational Publication Department, Sri Lanka.

Full papers

1. **Kahandage, P.**, Rupasinghe, C., and Chandana, P., (2016), Application of geographic information system (GIS) for site specific management of paddy production systems: A case study in Kamburupitiya Divisional Secretariat (DS), Sri Lanka, Journal of Tropical Agricultural Research and Extension ,Volume 19(2) - 2016
2. **Kahandage, P.**, Sewwandi, S., Rupasinghe, C., and Chandana, P., (2010), Application of Geographical Information System on tea production in Kamburupitiya D. S Division (Pg 93-100), Journal of the Sri Lanka Association of Geographers – 2010 (January)
3. **Kahandage, P.**, Rupasinghe, C., Weerasooriya, G., and Alwis, P. (2016), Mechanization of Oyster mushroom (*Pleurotus ostreatus*) production with Mango Saw dust, In: 3rd International Research Symposium, Rajarata University of Sri Lanka, Sri Lanka.
4. Perera, D., **Kahandage, P.** and Rambanda, M. (2016), Introducing a Mechanical Method for Peeling the Palmyrah Fruits in order to Promote Palmyrah juice based products, In: 3rd International Research Symposium, Rajarata University of Sri Lanka, Sri Lanka.
5. Piyathissa, S., **Kahandage, P.**, Dissanayake, P. and Rambanda, M. (2016), Selective Tea plucking machine to reduce the labour involvement, In: 3rd International Research Symposium, Rajarata University of Sri Lanka, Sri Lanka.

6. Hapuarachchi, A., **Kahandage, P.**, Weerasooriya, G., and Charithangi, M. (2017), Design, development and testing of small scale pepper harvester, In: 1st International Symposium in Agriculture, Faculty of Agriculture, Eastern University of Sri Lanka.

Extended abstracts

7. Ahamed, H., Weerasooriya, G., and **Kahandage, P.** (2013), Design, Development and Testing of Two wheel tractor Coupled Drainage Channel Digger, In: 3rd Annual Research Symposium 2013, Rajarata University of Sri Lanka.
8. **Kahandage, P.**, Wathsala, R., and Dharmasena, D. (2013), Designing, Development and Performance Evaluation of a manually Operated Leafy vegetable Slicing machine for Domestic Use, In: Annual Research Symposium 2013, Rajarata University of Sri Lanka.
9. Maithripala, S., Weerasooriya, G., **Kahandage, P.**, and Ginigaddara, G. (2013), Design, Development and Testing of Combined Manual Weeder and Marker for Row Planted Paddy , In: 3rd Annual Research Symposium 2013, Rajarata University of Sri Lanka.
10. **Kahandage, P.**, Rupasinghe, C., Weerasooriya, G., and Alwis, P. (2016), Mechanization of Growing Media Preparation and Poly Bags Filling in Oyster mushroom (*Pleurotus ostreatus*) cultivation, In: International Symposium on Agriculture and Environment, Faculty of Agriculture, University of Ruhuna, Sri Lanka.
11. Perera, D., **Kahandage, P.** and Rambanda, M. (2016), Mechanization of Palmyrah peeling process to promote palmyrah based products, In: International Symposium on Agriculture and Environment, Faculty of Agriculture, University of Ruhuna, Sri Lanka.

Abstracts

12. Mohomad, I., Ginigaddara, G., **Kahandage, P.**, Fernando, A., and Bandara, A. (2013) Plough Layer Depth on Growth and Yield of Rice in Dry Zone of Sri Lanka. In: 3rd Annual Research Symposium 2013, Rajarata University of Sri Lanka.
13. Piyathissa, S., and **Kahandage, P.** (2015), Introducing an Appropriate Mechanical Way for Coconut Dehusking, In: International Conference of Sabaragamuwa University of Sri Lanka 2015 (ICSUSL 2015)
14. **Kahandage, P.**, Rupasinghe, C., and Chandana, P. (2008), Mapping the status of Paddy production system using GIS techniques for developing the decision support system in

PUBUDU DARSHANA KAHANDAGE

Kamburupitiya Divisional Secretariat Division, In: National Symposium 2008, Faculty of Agriculture, University of Ruhuna.

15. **Kahandage, P.**, Rupasinghe, C., and Chandana, P. (2009), Identifying and Mapping of Land Suitability and Spatial Variability of Paddy Production system in Kamburupitiya DS Division Using GIS Techniques, In: National Geography Conference-2009.
16. **Kahandage, P.**, Sewwandi, S., Rupasinghe, C., and Chandana, P. (2010) Application of Geographical Information System on tea production in Kamburupitiya D. S Division (Pg 93-100), In: National Geography Conference – 2010.
17. Rathnayake, M., **Kahandage, P.**, Weerasooriya, G. and Bandara, H. (2011), Finding the Appropriateness and Required modifications for existing Machineries in Paddy Production in North Central Province, In: Undergraduate Research Symposium 2011 Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
18. Ahamed, H., Weerasooriya, G., and **Kahandage, P.**(2012), Design, Development and Evaluation of a Two wheel Tractor coupled Drainage Chanel Digger (2012), In: Undergraduate Research Symposium 2012, Faculty of Agriculture, Rajarata University of Sri Lanka.(November)
19. Maithreepala, S., **Kahandage, P.** and Weerasooriya, G. (2012), Desing and Development of a Weeder and Marker for Sri Method of Paddy cultivation, In: Undergraduate Research Symposium 2012, Faculty of Agriculture, Rajarata University of Sri Lanka.
20. Mohomed, I., Ginigaddara, G., **Kahandage, P.**, Fernando, A, and Bandara, A. (2012), Depth of ploughing on Growth and Yield of Rice in Dry Zone of Sri Lanka, In: Undergraduate Research Symposium 2012, Faculty of Agriculture, Rajarata University of Sri Lanka.
21. Yapa, M., **Kahandage, P.**, and Ginigaddara, G. (2013), Designing, Development and Testing of a Paddy Transplanter, In: Undergraduate Research Symposium 2013, Faculty of Agriculture, Rajarata University of Sri Lanka.
22. Jayathilaka, D., **Kahandage, P.** and Gunarathna, M. (2013), Designing, Development and Evaluation of Collapsible Rain water Harvesting System for Dry Zone, In: Undergraduate Research Symposium 2013, Faculty of Agriculture, Rajarata University of Sri Lanka.

23. Wijerathne, E., Rambanda, M., and **Kahandage, P.** (2013), Designing, Development and Performance Evaluation of a Manually Operated Maize Seeder, In: Undergraduate Research Symposium 2013, Faculty of Agriculture, Rajarata University of Sri Lanka.
24. Jayasiri, M., Weerasuriya, G., **Kahandage, P.**, and Fernando, A. (2013), Designing, Development and Testing of Manually Operated Pineapple Harvester, In: Undergraduate Research Symposium 2013, Faculty of Agriculture, Rajarata University of Sri Lanka.
25. Hapuarachchi, A., Weerasooriya, G., **Kahandage, P.**, and Fernando, A. (2013), Designing, Development and Testing of Small Scale Pepper Harvester, In: Undergraduate Research Symposium 2013, Faculty of Agriculture, Rajarata University of Sri Lanka.
26. Rathnasekara, A., Weerasooriya, G., Ginigaddara. G., and **Kahandage, P.** (2013), Modification and Evaluation of Five row weeder for weed Controlling in SRI method of Paddy, In: Undergraduate Research Symposium 2013, Faculty of Agriculture, Rajarata University of Sri Lanka.
27. Piyathissa, S., and **Kahandage, P.** (2014), Development and Evaluation of Coconut Dehusking Machine for Small and Medium scale Farm Holders, In: 6th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
28. Perera, D., Rambanda, M., and **Kahandage, P.** (2014), Design, Development and Evaluation of performance of a Palmyrah Peeler, In: 6th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
29. Pathirana, M., Balasooriya, A., and **Kahandage, P.** (2014), Development and Performance Evaluation of Nut Cracking Machine for Kottamba (*Terminalia Catappa*), In: 6th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
30. Kosgollegedara, E., **Kahandage, P.**, and Weerasooriya, G. (2015), Mechanization of Growing media Preparation for Small and Medium scale Mushroom Enterprises, In: 7th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
31. Dissanayake, P., Rambanda, M., **Kahandage, P.** and Piyatihissa, S. (2015), Design, Fabrication and Performance Evaluation of a Selective Tea Plucking Machine, In: 7th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.

32. Rajapakshe, R., **Kahandage, P.**, and Weerasooriya, G. (2015), Mechanization of Filling of Saw Dust growing media into Poly Bags in Oyster Mushroom cultivation, In: 7th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
33. Dissanayake, B., Gunarathne, M., Dabare, W., and Kahandage, P. (2017), Apropriateness of Existing Sprayers and Application Methods of Liquid Form Agrochemicals, In 8th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
34. Hettiarachchi, S., and Kahandage, P. (2017), Introducing an Efficient Mechanical Method for Pineapple Harvesting, In 8th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
35. Senarathne, P., Kahandage, P., and Weerasooriya, G. (2017), Comparative Performance Evaluation of a Manually operated Single row Maize seed driller, In 9th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
36. Kumarasiriwardena, C., Kahandage, P., Weerasooriya, G., and Dissanayake, T. (2017), Design Development and Evaluation of an Improved Solar and Biomass Hybrid Dryer for Agricultural Products, In 9th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
37. Ranasinghe, V., Kahandage, P., and Weerasooriya, G. (2017), Designing, Development and Evaluation of Small scale Seed Paddy Cleaner, In 9th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
38. Wijesinghe, W., Kahandage, P., and Weerasooriya, G. (2017), Introducing an Efficient Moisture Removal Method for Kithul Treacle and Jaggery Production Indistry in Sri Lanka, In 9th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
39. Gunarathne, M., Abeysekara, R., Dissanayake, D., Edirisooriya, C., and Kahandage, P., (2018), Evaluation of the Performanceand Processing cost of Newly developed Loos Leaf Barn Curing of Tobbaco Leaves, In 10th Annual Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.
40. Ranasinghe, M., Weerasooriya, G. and Kahandage, P. (2018), Improved Solar Water Distillation Unit for Drinking Water Production From Hardwater, In 10th Annual

PUBUDU DARSHANA KAHANDAGE

Research Symposium Proceedings, Faculty of Agriculture, Rajarata University of Sri Lanka.

REFEREES

Prof. G.Y. Jayasinghe,
Department of Agric. Engineering,
Faculty of Agriculture,
University of Ruhuna,
Mapalana,
Kamburupitiya,
Sri Lanka.

Tel: +94-0718483721
+94-0412292200

Mrs. Chintha Rupasinghe,
Senior Lecturer,
Department of Agric. Engineering,
Faculty of Agriculture,
University of Ruhuna,
Mapalana,
Kamburupitiya.

Sri Lanka.
Tel: +94-0718116965
+94-0412292200

Hereby, I certify the above mentioned particulars are true and accurate to the best of my knowledge.

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P.D. Kahandage