

Curriculum Vitae

W.A.M. DAUNDASEKERA

PERSONAL DETAILS

Name	Wijesiri Arachchilage Malkanthi Daundasekera (née Wijepala)
Official address	Department of Botany, University of Peradeniya, Peradeniya, Sri Lanka.
Home Address:	No. 10/4, Dangolla Road, Getambe, Peradeniya, Sri Lanka.
Telephone	+94 (0)81 2394526 (work) +94 (0)81 2386107 (residence)
Email	malkanthid@pdn.ac.lk; malkanthidaundasekera@gmail.com
Date of Birth:	14. 02. 1967
Marital Status:	Married

ACADEMIC AND PROFESSIONAL QUALIFICATIONS

Primary Education	Saman Eliya Maha Vidyalaya, Maskeliya, Sri Lanka (1973-1977)
Secondary Education	Mahamaya Girls' College, Kandy, Sri Lanka (1978-1986)
Academic Degree Obtained	B.Sc. Special Degree
Subjects	Botany (Principal subject) Chemistry (Subsidiary subject)
Honours	First Class Honours
Date	29.01.1993
Institute	University of Peradeniya, Peradeniya, Sri Lanka.
Postgraduate Qualifications	Doctor of Philosophy
Field	Postharvest Pathology
Date	11.06.2003
Institution	Cranfield University, Faculty of Agricultural Engineering, Food Production & Rural Land Use, United Kingdom.
Other Qualifications	
Field	Diploma in Counseling and Psychotherapy
Date	2017
Institution	Institute of Psychological Studies, Colombo.
Field	Certificate course in Teaching Methodology
Date	2006
Institution	Staff Development Centre, University of Peradeniya.

CAREER PROFILE

Current Position	Professor in Botany Department of Botany, University of Peradeniya
Senior Lecturer Grade I	October 2013- May 2019 Department of Botany, University of Peradeniya

Senior Lecturer Grade II	September 2003 – October 2013 Department of Botany, University of Peradeniya
Temporary Teaching Assistant	Department of Botany, University of Peradeniya March 1993 – June 1993
Temporary Assistant Lecturer	Department of Botany, University of Peradeniya June 1993 - June 1994
Lecturer (Probationary)	Department of Botany, University of Peradeniya June 1994 - June 2002
Temporary Lecturer	Department of Botany, University of Peradeniya June 2002 – October 2003
Senior Lecturer (Grade II)	Department of Botany, University of Peradeniya October 2003 - October 2013
Visiting Lecturer	Postgraduate Institute of Science 2003 - to- date
Visiting Lecturer	Faculty of Allied Health Science, University of Peradeniya 2008 - 2013
Visiting Lecturer	Faculty of Applied Sciences, Rajarata University of Sri Lanka 2017-2018

POSITIONS HELD IN THE UNIVERSITY AND ELSE WHERE

Academic Sub warden	Sangamiththa Hall of residence, University of Peradeniya - 1994
Programme Co-coordinator	M.Sc. Programme in Postharvest Technology of Fruits and Vegetables, Postgraduate Institute of Science, University of Peradeniya 2004 – 2005
Programme Coordinator	M.Sc. Programme in Postharvest Technology of Fruits and Vegetables, Postgraduate Institute of Science, University of Peradeniya 2008-2009
Deputy Coordinator	QEF/IRQUE Project Science Study Programme, Faculty of Science, University of Peradeniya 2008-2009
Coordinator	QEF/IRQUE Project Science Study Programme Faculty of Science, University of Peradeniya 2009-2010
Member	Sub-committee on Civil Works, IRQUE Project, Faculty of Science, University of Peradeniya 2006-2008
Member	Sub-committee on Strengthening of Soft Skills of students, Higher Education for the Twenty First Century (HETC) Project, Faculty of Science, University of Peradeniya 2010 - 2013
Secretary	Science Teachers' Association, University of Peradeniya - 2010
Module Coordinator	Pharmacognosy 1 (PM 2103) course, Faculty of Allied Health Sciences 2013
Member	Board of Study in Plant Sciences, Postgraduate Institute of Science, University of Peradeniya 2008 – 2017
Secretary	Board of Study in Plant Sciences, Postgraduate Institute of Science, University of Peradeniya

	2009 – 2014
Member	Coordinating Committee, Postgraduate Institute of Science, University of Peradeniya
	2008 – 2014
	2016 - 2017
Member	Board of Management, Postgraduate Institute of Science, University of Peradeniya October 2016 to April 2017
Chairperson	Board of Study in Plant Sciences, Postgraduate Institute of Science, University of Peradeniya
	2016 September – 2017 April
Treasurer	Sri Lanka Association for Mycology and Plant Pathology
	2007-2018
Member	Committee for Validation of competency standard for the Occupation of Floriculture and Landscape Gardening at National Apprentice and Industrial Training Authority.
	2010
Founder Member	University of Peradeniya Science Alumini Association
Member	Sri Lanka Federation of University Women
Member	Alumni Association of University of Peradeniya.
Member	Alumni Association, Cranfield University, UK
Life Member	Sri Lanka Association for the Advancement of Science.
Associate Member	Sri Lanka National Institute of Professional Counselors
Current Positions	
Treasurer	Botanical Society, University of Peradeniya 2016 - 2018
Member	English Language Teaching Committee, Faculty of Science, University of Peradeniya 2015 - 2018

AWARDS

University of Peradeniya Scholarship – 1993

M.D. Dassanayake Gold Medal for Botany -1993

ADB-sponsored scholarship for a Split-PhD programme granted by the Ministry of Science and Technology, Sri Lanka, under the Science and Technology Personnel Development Project – 1999

Presidential Award for Scientific Research -2010

RESOURCE PERSON/COORDINATOR IN WORKSHOPS

Coordinator and resource person	Workshop on “Postharvest Handling of Fruits and Vegetables” held at the Postgraduate Institute of Science, University of Peradeniya. 20 th - 21 st October 2005
Coordinator and Resource person	Workshop on “Pre-and Postharvest Management of Vegetables and Cut flowers” held at AgCo, Nuwara Eliya. 24 th -25 th October 2005
Resource person	Training workshop on ‘Management of Disease in Fresh produce supplied for Local and Export market’ conducted by the Department of Botany, University of Peradeniya in collaboration with the Queensland Department of Primary Industries and Fisheries, Australia. Held at the Postgraduate Institute of Science, University of Peradeniya. 7 th -8 th June 2007
Co-coordinator	Workshop on “Getting Started with Flowers and Foliage” held at the Postgraduate Institute of Science, University of Peradeniya. 28 th June 2013
Coordinator	National Workshop on “The Science & Art of Mushroom cultivation” held at the Postgraduate Institute of Science, University of Peradeniya. 18 th July 2014
Coordinator and Resource person	Plant Defence Workshop held at the Postgraduate Institute of Science, University of Peradeniya. 31 st October 2014
Resource person	Training workshop for G.C.E. (A/L – Science Stream) Teachers of the Central Province held at the Faculty of Science, University of Peradeniya. 15 th December 2014 – 20 th January 2015

RESEARCH INTERESTS

Postharvest physiology/pathology of tropical fruits and vegetables, Plant pathology, Postharvest technology of cut flowers and decorative foliage, Natural defence mechanisms in plants, Phytochemistry of leafy vegetables.

RESEARCH PUBLICATIONS

Research publications in refereed journals

Wijayabandara, S.M.K.H., Damunupola, J.W., Krishnarajah, S.A., **Daundasekera, W.A.M.**, Wijesundara, D.S.A. (2018). Effect of different vase solutions on postharvest longevity of cut foliage *Ophiopogon japonicus*. *Ceylon Journal of Science* **47(2)**: 195-199

Ratnayake, R.M.R.N.K., **Daundasekera, W.A.M.**, Ariyaratne, H.M. and Ganehenegge, M.Y.U. (2018). Pre-harvest root application of soluble silicon improves postharvest quality and induces antifungal compounds in bitter melon (*Momordica charantia* L.). *Phytoparasitica* 46: 541. <https://doi.org/10.1007/s12600-018-0680-8>

- Ratnayake, R.M.R.N.K., Ariyaratne, H.M., Ganeshenege, M.Y.U. and **Daundasekera, W.A.M.** (2018). Soil application of rice husk as a natural silicon source to enhance some chemical defense responses against foliar fungal pathogens and growth performance of bitter melon (*Momordica charantia* L.) *Ceylon Journal of Science* **47(1)**: 49-55
- Ratnayake, R.M.R.N.K., **Daundasekera, W.A.M.**, Ariyaratne, H.M. and Ganeshenege, M.Y.U. (2016). Some biochemical defense responses enhanced by soluble silicon in bitter melon-powdery mildew pathosystem. *Australasian Plant Pathology* **45**: 425-433.
- Ratnayake, R.M.R.N.K., **Daundasekera, W.A.M.**, Ariyaratne, H.M. and Ganeshenege, M.Y.U. (2016). Soil application of potassium silicate reduces the intensity of downy mildew in bitter melon (*Momordica charantia* L.) leaves. *Ceylon Journal of Science* **45(1)**: 23-31.
- Daulagala, C.H. and **Daundasekera, W.A.M.** (2016). Effect of 1-methylcyclopropene (1-MCP) treatment on postharvest quality and antifungal activity of avocado cv. 'Pollock' under tropical storage conditions. *Ceylon Journal of Science (Bio. Sci.)* **44(2)**: 75-83.
- Wijayabandara, S.M.K.H., Damunupola, J.W., Krishnarajah, S.A., **Daundasekera, W.A.M.**, Wijesundara, D.S.A. (2015). Enhancement of Growth Performances of *Ophiopogon japonicus* Ornamental Foliage Plant. *Journal of Ornamental Plants* **5(2)**: 115-121.
- Daundasekera, W.A.M.**, Liyanage, G.L.S.G., Wijerathne, R.Y. and Pieris, R. (2015). Preharvest calcium chloride application improves postharvest keeping quality of Tomato (*Lycopersicon esculentum* mill.). *Ceylon Journal of Science (Bio. Sci.)* **44(1)**: 55-60 (Short Communication).
- Fernando, H.N.K., Malathy, P. and **Daundasekera, W.A.M.** (2014). Antioxidant activity and phytochemical investigations in *Celosia argentea* L. *Sri Lanka Journal of Indigenous Medicine* **4(2)**: 265-270.
- Seneviratne, K.A.C.N., **Daundasekera, W.A.M.**, Kulasooriya, S.A. and Wijesundara, D.S.A. (2013). Development of Rapid Propagation Methods and a Miniature Plant for Export-oriented Foliage, *Zamioculcas zamiifolia*. *Ceylon Journal of Science (Biological Science)* **42(1)**: 55-62.
- Malathy, P., Suraweera, D.D., **Daundasekera, W.A.M.**, Nilanthi, W.D.G.P. and Wahundeniya, K.B. (2012). Determination of yielding ability, free radical scavenging activity, protein and carotenoid contents of selected genotypes of *Amaranthus tricolor*. *International Journal of Bioscience, Biochemistry and Bioinformatics* **2(5)**: 324-328.
- Weeraratne, T.P., **Daundasekera, W.A.M.** and Wijesundara, D.S.A. (2012). Field survey of postharvest handling of cut flowers produced in the Up country of Sri Lanka for the local market. *Ceylon Journal of Science (Biological Science)* **41 (1)**: 67-70 (Short communication).
- Senevirathna P.A.W.A.N.K. and **Daundasekera, W.A.M.** (2010). Effect of postharvest calcium chloride vacuum infiltration on the shelf life and quality of tomato (cv. 'Thilina'). *Ceylon Journal of Science (Biological Science)* **39**: 35-44.

Perera L.N.S., **Daundasekera, W.A.M.** and Wijesundara, D.S.A. (2009). Maturity at harvest affects postharvest longevity of cut *Calathea* foliage. *Ceylon Journal of Science (Biological Science)* **38**: 35-38.

Daundasekera, W.A.M., Joyce, D.C., Adikaram, N.K.B. and Terry, L.A. (2008). Pathogen-produced ethylene and the *Colletotrichum musae*-banana fruit pathosystem. *Australasian Plant Pathology* **37**: 448-453.

Daundasekera, M., Joyce, D., Akeed, J. and Adikaram, N. (2003). Ethylene production by *Colletotrichum musae* in vitro. *Physiological and Molecular Plant Pathology* **62**: 21-28.

Wijepala, W.A.M. and Dissanayake, D.M.D. (1996). Morphological diversity of trichomes in *Barleria cristata* (Acanthaceae). *PHYTA, Journal of the Botanical Society, University of Peradeniya, Sri Lanka* **4** (1): 42-46.

Adikaram, N.K.B. and **Wijepala, M.** (1995). *Asperisporium* disease in *Carica papaya*: A new disease in Sri Lanka. *Journal of the National Science Council of Sri Lanka* **23** (4): 213-219.

Published in abstract form (Presentations at conferences)

Nikagolla, N. G. D. N., Udugala-Ganehenegge, M. Y. and **Daundasekera, W. A. M.** (2018). Soluble silica improves the quality of 'Embul' banana during storage. *Proceedings of the Postgraduate Institute of Science Research Congress, Sri Lanka: 9-10th November, 2018.* p64

Dharmasena, U. D. T. D. and **Daundasekera, W. A. M.** (2018). Effect of ultraviolet-C UV-C) irradiation on [postharvest fungal decay and quality of bitter melon (*Momordica charantia* L.)]. *Proceedings of the International Research Symposium on Postharvest Technology, National Institute of Postharvest Management, Ministry of Agriculture 19th October 2018, Anuradhapura, Sri Lanka.* Pp 95-99.

Nikagolla, N. G. D. N., Udugala-Ganehenegge, M. Y. and **Daundasekera, W. A. M.** (2018). Use of soluble silica as a postharvest quality enhancing agent for three selected banana cultivars in Sri Lanka. *Proceedings of SLCARP International Agricultural Research Symposium 2018 Sri Lanka Council for Agricultural Research Policy 13-14 August 2018, Colombo, Sri Lanka.* Pp 78-79.

Ratnayake, R. M.R.N.K., **Daundasekera, W.A.M.**, Ariyaratne, H.M. and Ganehenegge, M.Y.U. (2017). Effect of root-application of rice husk as a natural silicon (Si) source on the nutritional quality of bitter melon (*Momordica charantia* L.). *Proceedings of International Research Symposium on Pure and Applied Sciences. Faculty of Science, University of Kelaniya, Sri Lanka.* p34.

Nikagolla, N. G. D. N. , Samarakoon, S. M. B. C. , **Daundasekera, W. A. M.** and Udugala-Ganehenegge, M. Y. (2017). Efficacy of soluble silicon in extending the shelf life of banana. *Proceedings of the Peradeniya University International Research Sessions, Sri Lanka,* **18**: p437.

Ratnayake, R.M.R.N.K., **Daundasekera, W.A.M.**, Ariyaratne, H. M. and Ganehenegge, M. Y. U. (2016). Effect of rice husk as a natural silicon source to control preharvest fungal diseases in bitter melon leaves. *Proceedings of the PGIS Research Congress 2016. Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.* p65.

Ratnayake, R.M.R.N.K., Daundasekera, **W.A.M.**, Ariyaratne, H.M. and Ganehenegge, M.Y.U. (2015). Soil application of soluble silicon reduces the postharvest disease incidence in bitter melon (*Momordica charantia* L.) fruits. *Proceedings of the PGIS Research Congress 2015. Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.* p76.

Ratnayake, R. M.R.N.K., **Daundasekera, W.A.M.**, Ariyaratne, H.M. and Ganehenegge, M.Y.U. (2015). Effect of silicon application on downy mildew in bitter melon (*Momordica charantia* L.) leaves. *Proceedings of the Young Scientists Forum Symposium 2014, National Science and Technology Commission, Sri Lanka.* Pp163-166.

Seneviratne, K.A.C.N., **Daundasekera, W.A.M.**, Kulasooriya, S.A. Wijesundara, D.S.A. and Krishnarajah, S.A. (2014). Developing novel propagation method for *Zamioculcas zamiifolia* plant through manipulation of light. *Proceedings of the PGIS Research Congress 2014. Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.* p85.

Ratnayake, R.M.R.N.K., **Daundasekera, W.A.M.**, Ariyaratne, H.M. and Ganehenegge, M.Y.U. (2014). Effect of Silicon application on fungal diseases in bitter melon (*Momordica charantia* L.) leaves. *Proceedings of the PGIS Research Congress 2014. Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.* p74.

Wijayabandara, S.M.K.H., Damunupola, J.W., Krishnarajah, S.A., **Daundasekera, W.A.M.**, Wijesundara, D.S.A. (2014). Growth responses of *Ophiopogon japonicus* (L.F.) Ker-Gawl. for synthetic plant growth regulators. *Proceedings of the PGIS Research Congress 2014. Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.* p69.

Perera L.N.S., **Daundasekera, W.A.M.** and Wijesundara, D.S.A. (2011). Effect of different packaging lining materials in package on the postharvest longevity of *Pleomele reflexa* shoot top-cuttings. *Proceedings of the National Symposium on Floriculture Research, Department of National Botanic Gardens, Sri Lanka.* Dec. 2011 p06.

Ratnayake, R.M.G.K. and **Daundasekera, W.A.M.** (2011). Effect of harvesting maturity on the postharvest quality of 'blue water lily' (*Nymphaea* sp.) flower. *Proceedings of the National Symposium on Floriculture Research, Department of National Botanic Gardens, Sri Lanka.* Dec. 2011 Pp 63-66.

Perera L.N.S., **Daundasekera, W.A.M.** and Wijesundara, D.S.A. (2009). Effect of different lining materials in package on the vase life of *Chrysanthemum lutescens* cut foliage. *Proceedings of the National Symposium on Floriculture Research, Department of National Botanic Gardens, Sri Lanka.* Pp 5-9.

Weeraratne, T.P, **Daundasekera, W.A.M.**, Wijesundara, D.S.A., Adikaram, N.K.B. and Peiris, B.C.N. (2008). Postharvest losses of Up-country cut flowers produced for the local market in Sri Lanka - A survey. *Proceedings of the National Symposium on Floriculture Research, Department of National Botanic Gardens, Sri Lanka.* Pp 104-105.

Perera, L.N.S., **Daundasekera, W.A.M.** and Wijesundara, D.S.A. (2008). Effect of preharvest gibberellin and cytokinin treatments on the vase life of the shoot top cuttings of *Codiaeum variegatum*. *Proceedings of the National Symposium on Floriculture Research, Department of National Botanic Gardens, Sri Lanka*. Pp 34-40.

Dissanayake, D.M.D. and **Wijepala (Daundasekera), M.** (1996). Morphological diversity of trichomes in the genus *Thunbergia*, Family Acanthaceae. *Proceeding of Sri Lanka Association for the Advancement of Science, Annual sessions 52*: Pp127-28.

Wijesinghe, M.K.P.S., Malathy, P. and **Daundasekera, W.A.M.** (2016). Effect of root application of soluble silicon on white rust disease in *Alternanthera sessilis* ('Mukunuwenna') leaves. *Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, 20*: p 387.

Fernando, H.N.K., Malathy, P. and **Daundasekera, W.A.M.** (2015). Some phytochemical characteristics and the effect of seasonal variation on antioxidant activity of *Celosia argentea* ('Kirihenda Pala'): An under-utilized medicinal plant and a leafy green in Sri Lanka. *Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, 19*: p 370.

Priyadarshika, E.G.C.K., **Daundasekera, W.A.M.** and Malathy, P. (2014). Postharvest keeping quality and some nutritional aspects of *Trianthema portulacastrum* L., an under-utilized leafy vegetable in Sri Lanka. *Proceedings of the International Research Symposium on Postharvest technology, Sri Lanka*. Pp. 79-83.

Daulagala, C.H. and **Daundasekera, W.A.M.** (2014). The effect of 1-methylcyclopropene (1-MCP) on postharvest quality of avocado cv. 'Pollock'. *Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, 18*: p 437.

De Silva, N.I., Malathy, P. and **Daundasekera, W.A.M.** (2014). Antioxidant activity of pods: A comparative study of three accessions of *Vigna unguiculata* (Yard Long Bean). *Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, 18*: p 504.

Wijayabandara, S.M.K.H., Damunupola, J.W., Krishnarajah, S.A., **Daundasekera, W.A.M.** and Wijesundara, D.S.A. (2014). Leaf spot disease of *Ophiopogon japonicus* caused by *Phyllosticta* sp. *Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, 18*: 572 p.

Wijayabandara, S.M.K.H., Damunupola, J.W., Krishnarajah, S.A., **Daundasekera, W.A.M.**, Wijesundara, D.S.A. (2014). Effect of media and fertilizer on the growth of *Ophiopogon japonicus*. Abs. *International Conference on Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change Sustainable Approaches, New Delhi, India*, 29 p.

Suraweera D.D., **Daundasekera, W.A.M.** and Malathy, P. (2011). Effect of storage methods on the postharvest keeping quality of *Amaranthus tricolor* ('Thampala') leaves. *Proceedings of the Annual Research sessions, University of Peradeniya, 16* p 181.

V.K.I.M. Kumari, **Daundasekera, W.A.M.** and Malathy, P. (2010). Effect of potassium and nitrogen fertilizer application on quality during postharvest storage of *Alternanthera sessilis* (var. ‘Colomba’ and ‘Piliyandala’). *Proceeding of the Annual Research sessions, University of Peradeniya*, **15**: Pp 275-277.

Wijerathne, R.Y., **Daundasekera, W.A.M.** and Peiris, R. (2009). Effect of preharvest calcium chloride application on postharvest diseases and some physico-chemical parameters of tomato (cv ‘Rajitha’). *Proceeding of the Annual Research sessions, University of Peradeniya*, **14**: Pp 162-164.

Weeraratne, T.P. and **Daundasekera, M.** (2006). Identification of causes for postharvest losses in the cut flower industry in the Up-country of Sri Lanka. *Proceeding of the Annual Research sessions, University of Peradeniya*, **11**: p 146.

Perera, L.N.S. and **Daundasekera, M.** and Wijesundara, D.S.A. (2006). Research needs on postharvest handling of decorative cut foliage in Sri Lanka. *Proceeding of the Annual Research sessions, University of Peradeniya* **11**: p 145.

Herath, W.H.M.A.T. and **Daundasekera, M.** (2006). Effects of 1-methylcyclopropene (1- MCP) on postharvest quality of selected local banana cultivars: A preliminary study. *Proceeding of the Annual Research sessions, University of Peradeniya*, **11**: p142.

Wanigasekara, N., Adikaram, N., Abayasekara, C. and **Daundasekera, M.** (2006). *Phyllosticta musarum* induced defence responses in banana cv. Embul and their practical implications. *Proceeding of the Annual Research sessions, University of Peradeniya*, **11**: p136.

Daundasekera, W.A.M. and Karunaratne, Anjani M. (1998). Potential of five microbial antagonists for biocontrol of toxigenic postharvest fungal pathogens in agricultural commodities. *Proceedings of Annual research Sessions, University of Peradeniya, Sri Lanka* **3**: p 31.

Other publications

Abeywickrama, K., **Daundasekera, M.** Karunaratne, A. Weerahewa, D. Sarananda, K.H. and Karunananyake, C. (2010). Postharvest Biology of Fresh Produce- Unit I. Open University of Sri Lanka 122p.

RESEARCH GRANTS SECURED:

Principal Investigator:

University Research Grant (1998)

Title: Control of growth and Toxin Production by postharvest fungal pathogens of fruits and vegetables using microbial antagonists Rs. 83,000.00

Principal Investigator:

Postgraduate Institute of Science, University of Peradeniya Research Grant (2003)

Title: Effect of 1-methylcyclopropene on ripening of Sri Lankan “Embul” bananas (*Musa* sp.) Rs. 30,000.00

Principal Investigator:

Sri Lanka Council for Agricultural Research Policy (CARP) Grant (2005)

Title: Postharvest Handling Techniques to Extend the Longevity of Cut Flowers and Cut Foliages in Sri Lanka
Rs. 1.52 million

Principal Investigator:

National Research Council (NRC) Sri Lanka Grant (2011)

Title: Effect of soil amendment with silicon on preharvest fungal disease and postharvest quality of bitter gourd
Rs. 2.5 million

Principal Investigator:

National Research Foundation (NSF) Sri Lanka (2016)

Title: Efficacy of soluble silicon in inducing disease resistance against postharvest fungal pathogens in banana.
Rs. 2.19 million

Principal Investigator:

University Research Grant (2016)

Title: Effect of Ultraviolet- C (UV-C) irradiation on postharvest fungal decay and quality of bitter gourd.
Rs. 638,000.00

Co-investigator:

National Research Foundation (NSF) Sri Lanka (2012)

Title: Growth responses of *Ophiopogon japonicus* ('Silver dragon' or 'Mondo grass') for differential potting media, plant growth hormones and fertilizer treatments'
Rs.1.65 million

POSTGRADUATE STUDENTS SUPERVISED

Degree of Doctor of Philosophy

U.W.N.P. Wanigasekera (Co-supervisor)

Title: "Biological and chemical elicitors of banana fruit defence"

Institute: Postgraduate Institute of Science, University of Peradeniya.

Degree awarded: Ph.D.-2009

R.M.R.N.K. Rathnayake (Principal Supervisor)

Title: "Effect of soil amendments with silicon to control pre- and postharvest fungal diseases of bitter gourd"

Institute: Postgraduate Institute of Science, University of Peradeniya.

Degree awarded: Ph.D. (in progress)

Degree of Master of Philosophy

L.N.S. Perera (Principal Supervisor)

Title: “Effect of pre-and postharvest treatments on postharvest quality of selected decorative cut foliage varieties”

Degree awarded: M.Phil.- 2012

K.H. Wijayabandara (Co- supervisor)

Title: “Growth responses of *Ophiopogon japonicus* (‘Silver dragon’ or ‘Mondo grass’) for different potting media, plant growth hormones and fertilizer treatments”

Degree awarded: M.Phil.- 2016.

K.A.C.N. Seneviratne (Principal Supervisor)

Title: “Development of propagation techniques and biocontrol measures for major diseases of *Zamioculcas zamiifolia* (‘ZZ Plant’)”

Degree awarded: M.Phil.- 2016.

N.G.D.N. Nikagolla (Principal Supervisor)

“Efficacy of soluble silicon in inducing disease resistance against postharvest fungal pathogens in banana”

Degree awarded: M.Phil.- (Registered in 2016 -progressing)

Degree of Master of Science

A.M. Nijamudeen

Postgraduate Institute of Science, University of Peradeniya.

Degree awarded: M.Sc. – 2004.

S.J. Abusalihu

Postgraduate Institute of Science, University of Peradeniya.

Degree awarded: M.Sc. – 2004.

S.P. Fernando

Postgraduate Institute of Science, University of Peradeniya.

Degree awarded: M.Sc. – 2006.

P.A.W.A.N.K. Seneviratne

Postgraduate Institute of Science, University of Peradeniya.

Degree awarded: M.Sc. –2008

M.A.A. Akther Ali

Postgraduate Institute of Science, University of Peradeniya.

Degree awarded: M.Sc. – 2009.

C.K. Rathnayake

Postgraduate Institute of Science, University of Peradeniya.

Degree awarded: M.Sc. – 2011.