

Ms. Shyanika Lakmali
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Professional Biography:

Ms. W.A.S Lakmali graduated from the University of Sri Jayewardenepura specializing in the field of Forestry and Environmental Science, securing first-class honour division. She has *M. Phill.* Degree in the field of Integrated Water Resource Management from University of Peradeniya, Sri Lanka. Currently, she is reading for *PhD* in Forestry, in the School of Ecosystem and Forest Sciences, The University of Melbourne.

She started her academic career as a demonstrator in the Department of Forestry and Environmental Science, The University of Sri Jayewardenepura in the year 2009. Subsequently, she worked in National Chamber of Commerce and in Central Environmental Authority both in six months basis as project analyzer and project officer respectively. Then she was selected for the SAWA fellowship program funded by the Crossing Boundaries Project of the Government of Netherland and attended for one year as a research fellow in the University of Peradeniya. She joined to the Department of Plantation Management, Wayamba University of Sri Lanka as a Lecturer and currently she is on study leave for reading her *PhD*.

Research Interests

Key areas of expertise include: Forestry, Environmental management, Agroforestry, Integrated water resource management and natural resource management, Forest Carbon and forest hydrology.

Awards, Prizes and Scholarships:

1. Melbourne International Research Scholarship, The University of Melbourne, Australia.
2. Science Abroad Travel Scholarship, Faculty of Science, The University of Melbourne, Australia.

3. SF Pond Scholarship, The School of Ecosystem and Forest Sciences, The University of Melbourne, Australia.
4. Selected for the 2008 MIND Scholarships program as the best student from 2005 Special batch of Forestry and Environmental Science awarded by the Munasinghe Institute for Development.
5. Scholarship for M.Phil. Degree awarded by SAWA Scholarship Program, Crossing Boundaries Project- 2010/2012

Associations:

National Science and Technology Commission
Young Scientists Forum (YSF)

Teaching Themes

Forestry, Forest Management, Agroforestry, Climate Change

Research Supervision

1. **Ranasinghe, B.M.C.M:** Determination of root growth of Betel (*Piper betle*) in the presence of *Gliricidia* (*Gliricidia sepium*) as a live support tree.
2. **Wijesuriya, W.M.T.S:** Assessing total sustainability of coconut plantations using multi-criteria Analysis.
3. **Madusanka, M.K.T.:** Efficiencies of point centered quarter and plot count method in forest sampling in Barigoda forest reserve.
4. **Weerakoon, W.M.T.C:** Assessment of regeneration variance of Dikkele forest reserve.
5. **Manawasinghe, K.S:** Effectiveness of Water Resource Utilization in Paddy Farming Under Different Climatic Conditions.

Selected Grants

Research Grant Wayamba University of Sri Lanka, 2013 as a co-investigator

Selected Research Publications:

Journals:

Conference Proceedings:

1. Lakmali, W.A.S; Gunawardena, E.R.N; Dayawansa, N.D.K. 2015. “Comparative performance assessment of major irrigation systems in Upper Deduru Oya Basin”, Tropical Agricultural Research, Vol. 26 (2): pp(343 – 354). DOI: 10.4038/tar.v26i2.8097.
2. Lakmali, WAS, and Subasinghe, SMCUP, “**Projecting pruning schedule for *Swietenia macrophylla* (mahogany) even-aged monocultures**”. Young Scientist Foundation Symposium (18th January, 2013).
3. Wijesuriya, W.M.T.S., and Lakmali, W.A.S., “**Evaluating total sustainability levels of Coconut plantations in Sri Lanka**”. 18th Annual Forestry and Environmental research symposium (10-11 January, 2013).
4. Lakmali, WAS, and Subasinghe, SMCUP, “Change of breast height diameter with age of *Swietenia macrophylla* (mahogany) even-aged monocultures”. 15th International Annual Forestry and Environment Symposium (26-27 November, 2010)

Books and Book Chapters

*Book Chapter of Selected topics on Performance enhancement through personality development and life skills development: **Integrating life skills into the academic programs to enhance student performance.***