



# MANORI BAMBARANDA

LECTURER  
AQUATIC RESOURCES TECHNOLOGY



## PERSONAL

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## FIND ME ON



## EVENTS/ UPDATES

## AREAS OF EXPERTISE

- Aquatic Botany

## RESEARCH INTEREST

- Propagation of freshwater aquatic plants
- Plant Tissue culture
- Cultivation and application of seaweed

## MEMBERSHIPS

### *Committees*

- Aqua Forum
- Uva Agricultural Forum
- Curriculum revision committee for Animal Science Degree Programme,

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### *Professional Bodies*

- Uva Wellassa University
- Wayamba University
- NAQDA Rambadagalla Ornamental Fish Breeding and Training Center
- Haritha Garden Institute, Gelioya.
- Royal Botanic Gardens ,Peradeniya
- University of Ruhuna.

## PUBLICATIONS

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### Full papers

Bambaranda, B. V. A. S. M., Tsusaka, T. W., Chirapart, A., Salin, K. R., & Sasaki, N. (n.d.). Capacity of *Caulerpa lentillifera* in the Removal of Fish Culture Effluent in a Recirculating Processes, 7, 440.

Bambaranda, B.V.A.S.M.; Sasaki, N.; Chirapart, A.; Salin, K.R.; Tsusaka, T.W.(2019) Optimization of Macroalgal Density and Salinity for Nutrient Removal by *Caulerpa lentillifera* from Aquaculture Effluent. Processes, 7, 303

Bambaranda, B.V.A.S.M. & Peiris, S.E., (2016). *Cryptocoryne wendtii* can successfully be grown in river sand enriched with nutrients. Sri Lanka Journal of Aquatic Sciences. 21(1), pp.67–71

### Abstracts (recent)

The effects of green seaweed *Caulerpa lentillifera* culture on water quality in aquatic environment - Implication for wastewater treatment

Development of in vitro and conventional propagation protocol for two endemic threatened *Aponogeton* species (*A.rigidifolius* & *A.jacobsenii*)

Effect of Growth Regulators on In-vitro multiplication of *Lagenandra ovata* and *Lagenandra lancifolia*

A review of export trade of indigenous aquatic plants species in Sri Lanka and their conservation issues

### Posters

Partial Replacement of Beef Heart with Duckweed (*Lemna minor*) Leaf Meal on Growth performance of Koi (*Cyprinus carpio*)

Captive Breeding of *Puntius singhala*

### Books/ Book chapters

Book on Hand book for identification of ornamental aquatic plants-

Booklet on Cultivation of Ornamental Aquatic Plants

### Reports

N/A

## RESEARCH PROJECTS

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### Ongoing

N/A

### Completed

*Spatial and seasonal distribution of aquatic macrophytes in Uva Province Sri Lanka.*

## ADMINISTRATIVE RESPONSIBILITIES

Duration		Capacity	Institute
From	To		
23.11.2010	28.02.2013	Officer In-Charge	Ornamental Fish Breeding and Training Centre, Rambadagalla
22.03.2005	28.02.2013	Aquaculturist	Ornamental Fish Breeding and Training Centre, Rambadagalla

## AWARDS AND SCHOLARSHIPS

UWU Scholarship to follow PhD in AIT, Thailand

## CAREER HISTORY

Duration		Capacity	Institute
From	To		
2013	To date	Probationary Lecturer	Uva Wellassa University
2011	2012	Visiting Lecturer	Wayamba University
2005	2013	Aquaculturist	NAQDA, Rambadagalla
2004	2006	Landscape Designer	Haritha Garden Institute

## TEACHING

*Uva Wellassa University*

*University of Wayamba*

*University of Ruhuna*

## SUPERVISION

### ***Undergraduate research supervised (Selected)***

*Development of in vitro and conventional propagation protocol for two endemic threatened Aponogeton species (A.rigidifolius & A.jacobsenii)*

*Effect of Growth Regulators on In-vitro Multiplication of Lagenandra ovata and Lagenandra lancifolia*

*A review of export trade of indigenous aquatic plants species in Sri Lanka and their conservation issues*

*Effect of Aquatic plants, Ceratophyllum demersum and Hydrilla verticillata on controlling growth of freshwater Filamentous Macro Algae in Aquarium Tanks*

*Development of Micropropagation Protocols for Aponogeton species of Sri Lanka*

*(Aponogeton crispus, Aponogeton natans and Aponogeton jacobsenii)*

*Determination of a suitable growing medium and a commercial fertilizer for Echinodorus parviflorus*

*‘Tropica’ in the nursery level*