



A.C.W.W.M.C.L.K.COSWATTE

LECTURER (PROBATIONARY)
BSC (SP) IN APPLIED BIOLOGY



PERSONAL

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EVENTS/ UPDATES

AREAS OF EXPERTISE

- Fish Nutrition
- Aquaculture

RESEARCH INTEREST

- Nutrition in Fish and shellfish
- Aquaculture
- Aquatic ecosystem diversity

MEMBERSHIPS

Committees

-

Professional Bodies

-

PUBLICATIONS

Full papers

Abstracts (recent)

01. **A.C.W.W.M.C.L.K.Coswatte**, T.V Sundarabarathy (2014). Study of Morphometric and Meristic Characters and Food Preference of *Anabas testudineus* (Bloch 1795) (Climbing Perch) Collected from Different Locations of Sri Lanka. Extended Abstract, Annual International Research Symposium Rajarata University of Sri Lanka (IRSYRU - 2014) (Session 1).
02. **A.C.W.W.M.C.L.K.Coswatte** and T.V.Sundarabarathy (2015). Formulation of suitable culture media for different life stages of *Moina macrocopa* using cow dung and poultry manure. Abstract, 21st Annual Scientific Session of the Sri Lanka Association For Fisheries And Aquatic Resources. (SLAFAR.p34. Colombo, Sri Lanka.22.05.2015)
03. K.K.K.Premawansa, **A.C.W.W.M.C.L.K.Coswatte**, N.P.P.Liyanange and M.P.K.S.K. de Silva (2018). Effect of Four Formulated Diets on Color Enhancement of Platy Fish, (*Xiphophorus*

- maculatus*). Abstract, 2nd International Research Symposium Uva Wellassa University of Sri Lanka (IRSUWU 2018, p61).
04. J.A.R.A.Jayasinghe, **A.C.W.W.M.C.L.K.Coswatte**, J.M.D.R.Senavirathna and N.P.P.Liyanage(2018). Identification of Suitable Hardening Medium for Micro-propagated *Lagenandra thwaitesii* species in the Tilapia Based Aquaponic System.Abstract, 2nd International Research Symposium Uva Wellassa University of Sri Lanka (IRSUWU 2018.p62).
05. M.A.D.P.I.Sarathchandra, A.S.Mahaliyna, **A.C.W.W.M.C.L.K.Coswatte** and S.C.Jayamanne (2018). Effect of Raw *Spirulina platensis* Supplement on the Growth Performance of Guppy Fish- Red Blonde (*Poecilia reticulata*). Abstract, 2nd International Research Symposium Uva Wellassa University of Sri Lanka (IRSUWU 2018.p66).
06. H.D.B.K.Hettiarachchi, **A.C.W.W.M.C.L.K.Coswatte**, M.M.D.J.Senevirathna, S.A.Krishnarajah and P.E.kaliyadasa (2018). Development of In-Vitro propagation protocol for *Aponogeton dassanayakei*. Wayamba International Conference(WinC 2018, p 317).
07. K.S.P.Munirathna, **A.C.W.W.M.C.L.K.Coswatte** and S.C.Jayamanne (2019). Development of Low Cost Mass Culture Media for *Spirulina platensis*. International Research Conference(IRC UWU 2019, p 9)
08. D.S.Shanuke, **A.C.W.W.M.C.L.K.Coswatte** and S.C.Jayamanne (2019). A study on the Potential of Extraction of Roe Oil from *Thunnus albacares*, *Katsuwonus pelamis*, *Canthidermis maculate* and *Lepidocybium flavobrumneum*. International Research Conference(IRC UWU 2019, p 10)

Posters

09. M.T.R.V.Lakmali, **A.C.W.W.M.C.L.K.Coswatte**, V. Pahalawattarachchi and S.C.Jayamanne (2018). Study on Impacts of Shade and Substrate on Optimum Growth of Micro-propagated *Cryptocoryne wendtii*. Poster, , 2nd International Research Symposium Uva Wellassa University of Sri Lanka (IRSUWU 2018.p76).
10. M.R.Mohamed Rashath, **A.C.W.W.M.C.L.K.Coswatte**, P.M.Withanage and N.P.P.Liyanage (2018). Breeding Performance of *Pterophyllum scalare* (Angel fish) Fed with Enriched *Daphnia magna*.Poster, , 2nd International Research Symposium Uva Wellassa University of Sri Lanka (IRSUWU 2018.p75).
11. B.R.M.P.Bandara, P.M.Withanage, **A.C.W.W.M.C.L.K.Coswatte** and J.A.Athula (2018). Study of Growth Performance of *Oreochromis niloticus* (Nile Tilapia) Fed by Formulated Diet Incorporated with Phytase Enzyme.Poster, 2nd International Research Symposium Uva Wellassa University of Sri Lanka (IRSUWU 2018.p74).
- 12.**N.G.D.S.Nuwarage, M.M.D.J.Senarathne, **A.C.W.W.M.C.L.K.Coswatte** and S.C.Jayamanne (2019). Development of Explant Sterilization Protocol for *In-vitro* Propagation of *Hydrocera triflora* (Marsh Henna). Poster, International Research Conference(IRC UWU 2019, p 306).

RESEARCH PROJECTS

Ongoing

Nutritional evaluation in mostly consumed freshwater fish species in Uva Province, Sri Lanka- UWU research grant 2019

Completed

Study of the effect of oil extracted from fish eggs of selected marine finfish species on color enhancement of ornamental fish- UJU research grant 2018

CAREER HISTORY

Duration		Capacity	Institute
From	To		
2014	2016	Demonstrator	Department of Biological Sciences, Faculty of Applied sciences, RUSL
2016	2017	Government teacher in Science	Akuramboda Junior School, Matale

TEACHING

Uva Wellassa University

Rajarata University of Sri Lanka

SUPERVISION

Undergraduate research supervised (Selected):

Effect of Four Formulated Diets on Color Enhancement of Platy Fish, (*Xiphophorus maculatus*)- K.K.K.Premawansa, 2017

Identification of Suitable Hardening Medium for Micro-propagated *Lagenandra thwaitesii* species in the Tilapia Based Aquaponic System- J.A.R.A.Jayasinghe, 2017

Effect of Raw *Spirulina platensis* Supplement on the Growth Performance of Guppy Fish- Red Blonde (*Poecilia reticulata*)- M.A.D.P.I.Sarathchandra, 2017

Study of Growth Performance of *Oreochromis niloticus* (Nile Tilapia) Fed by Formulated Diet Incorporated with Phytase Enzyme- B.R.M.P.Bandara, 2017

Breeding Performance of *Pterophyllum scalare* (Angel fish) Fed with Enriched *Daphnia magna*- M.R.Mohamed Rashath, 2017

Study on Impacts of Shade and Substrate on Optimum Growth of Micro-propagated *Cryptocoryne wendtii*- M.T.R.V.Lakmali, 2017

Development of In-Vitro propagation protocol for *Aponogeton dassanayakei*.- H.D.B.K.Hettiarachchi,2017

Development of Low Cost Mass Culture Media for *Spirulina platensi*- K.S.P.Munirathna,, 2018

A study on the Potential of Extraction of Roe Oil from *Thunnus albacares*, *Katsuwonus pelamis*, *Canthidermis maculate* and *Lepidocybium flavobrunneum*- D.S.Shanuke, 2018

Development of Explant Sterilization Protocol for *In-vitro* Propagation of *Hydrocera triflora* (Marsh Henna)- N.G.D.S.Nuwarage, 2018