

CURRICULUM VITAE

THENMOLI VALLIPURAM SUNDARABARATHY

PERSONAL DATA

Name in Full : Thenmoli Vallipuram Sundarabarathy

Postal Address : 838A, Stage II, Anuradhapura

Occupation : Senior Lecturer Gr.I

Official Address: Department of Biological Sciences, Faculty of Applied Sciences,
Rajarata University of Sri Lanka, Mihintale

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EDUCATIONAL QUALIFICATIONS

Postgraduate

1. **Ph.D.** from the Postgraduate Institute of Agriculture (PGIA), University of Peradeniya. January, 2005.
Research - Ecological aspects of fish assemblages of a wet zone stream system; Breeding and Rearing of three Endemic fish species
2. **M. Sc.** from the Postgraduate Institute of Agriculture (PGIA), University of Peradeniya. October, 1996.
Research - Some aspects of Breeding and Cross breeding of Common Carp (*Cyprinus carpio* L.) and Goldfish (*Carassius auratus* L.).

Graduate

B.Sc. Second Class honours (Lower Division) from the University of Sri Jayewardenapura, December, 1991.

PROFESSIONAL QUALIFICATIONS

Teaching Methodology	<p>Followed at the Staff Development Centre, University of Colombo and awarded with two certificates.</p> <ul style="list-style-type: none">• Certificate in Teaching in Higher Education (CTHE) 1st June 2000.• Staff and Educational Development Association – Accredited Teacher in Higher Education (SEDA), UK 1st June 2000.
Trainer of Online Tutors and Mentors	<p>National Online Distance Education Service (NODES) of the Distance Education Modernization Project (DEMP) of the Ministry of Higher Education, Sri Lanka.</p>

INTERNATIONAL COURSES/ SHORT TERM TRAINING PROGRAMS

- **International course on survey and Evaluating Ethical Review Practices**
Forum for Ethical Review Committees in the Asian and Western Pacific Region Ethics Review Committee, conducted at the Faculty of Medicine, University of Jaffna, (17th to 19th August 2017).
- **Fish processing**
Ehime Prefectural International Center, Matsuyama, Ehime ,Japan. (15th November to 29th November 2014).
- **Production Techniques for Food and Ornamental Fish**
Asian Institute of Technology , Thailand (8th December 2008 to 3rd January 2009)
- **Quantitative Genetics Applied to Fish Improvement**
Organized by Aquatic Resource Development & Quality Improvement Project of the Ministry of Fisheries and Aquatic Resources in collaboration with the World Fish Center, Penang, Malaysia and National Aquaculture Development Authority of Sri Lanka, Sri Lanka . (7th – 12th July 2008)
- **Trainer of online Tutors and Mentors**

Conducted by National Online Distance Education Service (NODES) of the Distance Education Modernization Project (DEMP) of the Ministry of Higher Education, Sri Lanka. (One week training in 2007)

- **Presentation & Communication Skills**, Conducted by the British Council (14th October - 22nd December 2005)
- **Tools for fisheries Co-management**
International Agricultural Centre, Wageningen, Netherlands
(25th October – 19th November 2004).

EMPLOYMENT HISTORY

Senior Lecturer Grade I	Department of Biological Sciences, Faculty of Applied sciences, Rajarata University of Sri Lanka. (December 2011 to date)
Senior Lecturer Grade II	Department of Biological Sciences, Faculty of Applied sciences, Rajarata University of Sri Lanka. (December 2005 – November 2011)
Lecturer (Probationary)	Department of Biological Sciences, Faculty of Applied Sciences, Rajarata University of Sri Lanka. October 1996 – November 2005)
College Lecturer in Zoology (Probationary)	Central Province affiliated University College, Polgolla. (January 1993 – September 1996)
Demonstrator in Zoology	Department of Zoology, Faculty of Applied Sciences, University of Sri Jayewardenapura, Sri Lanka. (June 1992 – December 1992)

AWARDS

Best Employee – Academic – 2008	Gold Medal - Faculty of Applied Sciences, Rajarata University of Sri Lanka presented by the Improving Relevance and Quality of Undergraduate Education (IRQUE) project funded by the World Bank.
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TEACHING EXPERIENCE

Conducting lectures, organizing and conducting practical classes for undergraduate and postgraduate students in basic biology courses and fisheries and aquaculture.

Undergraduate Level Courses Taught

- ***Faculty of Applied Sciences***

Natural Resources, Invertebrate Diversity, Vertebrate Diversity, Animal Histology, Animal Physiology, Ecology, Genetics & Evolution, Fish Biology, Fisheries & Aquaculture, Breeding Techniques in Aquaculture, Fish Nutrition and Growth, Ornamental Fish Industry, Developmental Biology.

- ***Faculty of Agriculture***

Inland fisheries

- ***B.Sc. (External) Degree in Biological Sciences***

Invertebrate Diversity, Vertebrate Diversity, Animal Histology, Genetics & Evolution, Fish Biology, Fisheries & Aquaculture Management

Postgraduate Level Courses Taught

- ***Postgraduate Institute of Agriculture, University of Peradeniya***

Fish systematics and Morphometrics

Higher National Diploma Level ((NVQ level 6) Courses Taught

- ***University College of Anuradhapura affiliated to University of Vocational Technology***

Principles of Aquaculture, Introduction to Culturable fish species, Fish nutrition, Formulation and preparation of fish feed.

POSITIONS AT PRESENT

Academic

Chairperson

Timetable committee, Faculty of Applied Sciences, Rajarata University of Sri Lanka. **(2006 to date)**

Faculty Nominee, Research & Publication Committee

Faculty of Applied Sciences, Rajarata University of Sri Lanka. **(2017 to date)**

Member of Ethics Review Committee

Faculty of Applied Sciences , Rajarata University of Sri Lanka. (**2015 to date**)

Member of Ethics Review Committee

Faculty of Medicine & Allied Sciences , Rajarata University of Sri Lanka. **(2015 to date)**

Visiting lecturer

Board of Study Animal Sciences, Postgraduate Institution of Agriculture, University of Peradeniya, **(2007 to date)**

Visiting lecturer

University College of Anuradhapura **(2017 to date)**

Subject Matter Expert (SME)

B.Sc. (External) Degree program in Biological Sciences. **(2011 to date)**

Academic Advisor in Biological Sciences

Faculty of Applied Sciences, Rajarata University of Sri Lanka. **(2012 to date)**

Academic Coordinator, B.Sc. (External) Degree in Biological Sciences / Physical Sciences

Faculty of Applied Sciences, Rajarata University of Sri Lanka.
(2017 December to date)

POSITIONS HELD

Deputy Proctor	Faculty of Applied Sciences, Rajarata University of Sri Lanka. (2016- 2019April)
Director	Centre for Distance and Continuing Education (CDCE). (December 2012- 2013)
Head	Department of Biological Sciences, Faculty of Applied Sciences, Rajarata University of Sri Lanka. (2006 - 2012)
Acting Dean	Faculty of Applied Sciences, Rajarata University of Sri Lanka. 15 – 06 – 2006 to 01 – 07 – 2006 17 – 09 - 2007 to 18 – 11 – 2007 06 - 05 – 2011 to 20 – 05 - 2011 27-06 – 2011 to 31 – 07 - 2011 (4 months)
Senate member	Rajarata University of Sri Lanka. (2006 – 2012)
Visiting lecturer	Faculty of Agriculture, Rajarata University of Sri Lanka, (2007 - 2010)
Member of the Examination Committee of two M.Phil students	Postgraduate Institute of Agriculture, University of Peradeniya - 2014.

World Bank Projects

Member of Research Proposal Writing Team	Development Oriented Research (DOR) grants under Accelerating Higher Education Expansion and Development (AHEAD), 2019
Member of Research Team	Development Oriented Research (DOR) grants under Accelerating Higher Education Expansion and Development (AHEAD), 2019
Grant Coordinator	Quality and Innovations Grants (QIG), World Bank. (2014 -2016)
Deputy Coordinator	Activity 1 - Improving Governance & Management . External Degree Programs (EDP) grant, World Bank. (2013- 2016)

Principal writer	Quality and Innovations Grants (QIG), World Bank – Round 2. (2012)
Member of Proposal Writing Team	External Degree Programs (EDP)grant, (2011)
Principal – in- charge	Activity 08 - Strengthening Efforts to Obtain Alternate Sources of Funding of the Improving Relevance and Quality of Undergraduate Education (IRQUE) Project. (2006 - 2010)

COORDINATOR AND CHAIRPERSON IN RESEARCH SESSIONS

Coordinator	2 nd Annual Research Sessions 2011, Rajarata University of Sri Lanka.
Chairperson of Aquaculture Research session	Vaunia Campus Annual Research Session – 2011 (VCARS- 2011) on “Emerging Opportunities for Development of the Regions”.
Panel of Judges	First Research Session, Faculty of Agriculture, Rajarata University of Sri Lanka, 2009. Session : Animal Sciences, Postharvest
	8 th Annual Research Symposium, Faculty of Agriculture, Rajarata University of Sri Lanka, 2016. Session : Animal and Food Sciences

RESEARCH GRANTS

Grant No. RG/ 2006/EB/01	National Science Foundation -2006
Grant No. RJT/RP&HDC/2011/App./R/03	University Research Grant - 2011
Grant No. RJT/RP&HDC/2014/App./R/03	University Research Grant - 2014
Development Oriented Research (DOR) grants under Accelerating Higher Education Expansion and Development (AHEAD)	AHEAD PAT DOR STEM No. 79 2019

RESEARCH COLLABORATION

Research collaboration with faculty of Agriculture, Rajarata University of Sri Lanka in the field of Fisheries and Aquaculture.

Research collaboration with National Aquatic Development Authority of Sri Lanka (NAQDA).

GEF funded project, implemented by the Ministry of Mahaweli Development and Environment (MMDE) and supported by UNDP on "Enhancing Biodiversity Conservation and Sustenance of Ecosystems services in Environmentally Sensitive Areas" - 2019

RESEARCH & PUBLICATIONS

Publications in Refereed Journals(Full papers)

1. **Vallipuram, T.** and Edirisinghe, U. (1996). Some aspects of Breeding and cross breeding of Common Carp (*Cyprinus carpio* L.) and Goldfish (*Carassius auratus* L.). Tropical Agriculture Research 8: 361 – 369.
2. **Sundarabarathy, T. V.**, Edirisinghe, U., Dematawewa, C. M.B. and Nandasena, K.G. (2001). Morphology and some biological aspects of Common spiny loach or Lesser loach (*Lepidocephalichthys thermalis*) and Banded mountain loach or Spotted loach (*Schistura notostigma*) of Sri Lanka. Tropical Agriculture Research 13: 411-420.
3. **Sundarabarathy, T.V.**, Edirisinghe, U. and Dematawewa C.M.B.(2003). Study on the colour enhancement of a Sri Lankan endemic fish, *Puntius tittैया* (Deraniyagala) (Cherry barb) under indoor and outdoor conditions. Journal of Aquaculture, 11: 1-5 .
4. **Sundarabarathy, T.V.**, Edirisinghe, U. and Dematawewa, C. M.B.(2004). Captive breeding and rearing of fry and juveniles of Cherry barb (*Puntius tittैया*, Deraniyagala), a highly threatened endemic fish species in Sri Lanka. Tropical Agriculture Research 16: 137- 149.
5. **Sundarabarathy, T.V.**, Edirisinghe, U. and Dematawewa, C. M.B. (2005). Breeding and larval rearing of threatened, endemic fish stonesucker, *Garra ceylonensis* (Bleeker). Aquaculture Research, 36 : 196 – 201.
6. Wasala, W.M.T.K., Edirisinghe, U., Nathanael and **Sundarabarathy, T.V.** (2007). Comparison of Morphometrics and Meristic Characteristics of two Catfishes *Plotosus limbatus* and *Clarius brachysoma*. Tropical Agriculture Research 19: 301 - 306.
7. Liyanage, S.D., **Sundarabarathy, T.V.** and Nathanael , E.S. (2010). Biodiversity of Fish and Their Conservation in Selected Water Bodies of the Mihintale Sanctuary. The Biological and Archeological Diversity of Mihintale: With Special reference to

- its Herpetofauna. *Lyriocephalus Special issue, Special issue Volume 7 No. 1 &2* : 115 – 121.
8. Abayarathna, M.G.T.H., Mahulpatha, W.A.D., Anslem de Silva and **Sundarabarathy, T.V.** (2010). Amphibian Diversity in the Giritale Nature Reserve, Sri Lanka. The Biodiversity of Mihintale: With Special reference to its Herpetofauna. *Lyriocephalus Special issue Volume 7 No. 1 &2* : 167 – 173.
 9. Perera, P.A.C.T., Kodithuwakku, K.A.H.T. , **Sundarabarathy, T.V.** and Edirisinghe, U. (2013). Captive Breeding of *Anabas testudineus* (Climbing Perch) under Semi-artificial Conditions for the Mass Production of Fish Seed for Conservation and Aquaculture. *Insight Ecology*, 2: 8-14. DOI: 10.5567/ECOLOGY-IK.2013.8.14.
 10. Perera, P.A.C.T., **Sundarabarathy, T. V.**, Sivananthawerl, T. and Edirisinghe, U. (2014). Seasonal Variation of Water Quality Parameters in Different Geomorphical Channels of the Upper Malwathu Oya in Anuradhapura, Sri Lanka. *Tropical Agricultural Research* Vol. 25 (2): 158 – 170.
 11. Perera, P.A.C.T, Kodithuwakku, P. Suranga, **Sundarabarathy, T.V.** and Edirisinghe, U. (2015). Bioaccumulation of Cadmium in Freshwater Fish: An Environmental Perspective. *Insight Ecology*, 4 : 1 – 12, 10.5567/ECOLOGY-IK.2015.1.12.
 12. Perera, P.A.C.T., **Sundarabarathy, T. V.**, Sivananthawerl, T. and Edirisinghe, U. (2015) Potential impact of water quality and Hydrology on fish community in upper *Malwathu oya*, Sri Lanka. *Journal of Global Ecology and Environment*, Vol.3(4): 218-229.
 13. Chinthaka T Perera, P.A., **Sundarabarathy, V. Thenmoli**, Sivananthawerl, Thavananthan, Kodithuwakku, P. Suranga and Edirisinghe Udeni (2016). Arsenic and cadmium contamination in water, sediments and fish is a consequence of paddy cultivation: evidence of river pollution in Sri Lanka. *Achievements in the Life Sciences* (2016) : 144 - 160.
 14. Adikari, A.M.A.N., **Sundarabarathy T.V.** , Herath, H.M.U.K.P.B, Nayananjalie, W.A.D. and Adikari, A.M.J.B. (2017). Formulation of artificial feeds for Indian Carp (*Catla catla*) fry using aquatic plants (*Ipomea aquatica* and *Hydrilla verticillata*). *International Journal of Scientific and Research Publications*.Vol. 7 :.83-89.
 15. De Zoysa, H.K.S. and **Sundarabarathy, T.V.** (2017). Diversity, abundance and threats of vertebrate fauna in selected areas of Kammalakkulama Tank at Mihintale, Sri Lanka. *NeBio, An International Journal of Environment and Biodiversity*. Vol. 8 (1): 6 – 15.

16. De Zoysa, H.K.S., Amarasinghe, U.S., Edirisinghe, EMRKB and **Sundarabarathy, T.V.** (2019). Habitat related variations and comparison of fatty acid composition of muscle and stomach contents of secondarily colonized Malabar sprat (*Ehirava fluviatilis*) in Sri Lanka. *eBio, An International Journal of Environment and Biodiversity*. Vol. 10 (3):152– 165.

Peer Reviewed Conference Proceedings and full papers

17. Munasinghe, J.U., Dilhan, M.A.A.B. and **Sundarabarathy, T.V.** (2008). Abundance of invasive alien species in four selected tanks in Anuradhapura district. Proceedings of the National Symposium on Invasive Alien Species (IAS), Sri Lanka Association for Advancement of Science, 120 – 130 pp.
18. Munasinghe, J.U., Dilhan, M.A.A.B. and **Sundarabarathy, T.V.** (2010). Utilization of Aquatic Plants: A Method to Enhance the Productivity of Water in Seasonal Tanks in The Anuradhapura District. *Proceedings of the National Conference on Water, Food Security and Climate Change in Sri Lanka, Vol. 1: 23 – 33pp.*

Peer Reviewed Conference Proceedings and Abstracts

19. Edirisinghe, U. and **Vallipuram, T.** (1996). Cross Breeding of Common carp (*Cyprinus carpio* L.) and Goldfish (*Carassius auratus* L.) by Hypophysation. *Pro. Sri Lanka Ass. Advt. Sci.*: 52 (1): 58- 59.
20. Ediriweera, E.P., **Sundarabarathy, T. V.**, Edirisinghe, U. and Dematawewa, C.M.B. (2003). Fish assemblage and habitat diversity in a tropical wet zone stream of Sri Lanka. *Aquaculture Europe 2003- Beyond Monoculture, European Aquaculture Society, Trondheim, Norway, Special publication No.33:174-175 pp.*
21. Wasala, W.M.T.K, Gunawardhana, D.N., Edirisinghe, U, Nathanael, S and **Sundarabarathy, T.V.** (2006). Some morphological and anatomical characteristics of *Clarius brachiosoma* (Gunther)(Pisces, Claridae) under wild and laboratory conditions. *Proceedings of the Peradeniya University Research session, Vol. 11 :10.*
22. Munasinghe, J.U., Dilhan, M.A.A.B. and **Sundarabarathy, T.V.** (2008). Diversity and Abundance of Aquatic Vegetation in four Selected tanks in Anuradhapura district. *Proceedings of the 28th Annual Sessions of the Institute of Biology, Sri Lanka.* 35p.
23. Karunathilake, H.C.B., Gunawardhana, D.N., Wasala, W.M.T.K., Nathanael, S., **Sundarabarathy, T.V.** and Edirisinghe, U. (2008). Some Aspects of Feeding Behaviour of Endemic Walking Catfish (*Clarias brachysoma*) of Sri Lanka. *Proceedings of the Peradeniya University Research Sessions, Sri Lanka,* 13: 1-2.

24. Rajapaksha, R.M. G.N., **Sundarabarathy, T.V.** and Nathanael, S. (2009). Illegal fishing practices in the Nuwara wewa and Ranawa reservoir in the Anuradhapura district: A comparative study. *Proceedings of the Fifteenth sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)* , 4p.
25. Jayawardene, A.S.D.T.K., Edirisinghe, E. M.R.K.B., Ahmad, S.B.N. and **Sundarabarathy, T.V.** (2009). Nutritional composition of some selected aquatic plants. *Proceedings of the Fifteenth sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)* , 29p.
26. Karunaratne, T.A.D.W., Edirisinghe, E.M.R.K.B., Jinadasa, B.K.K.K. and **Sundarabarathy, T.V.**(2009.) Effect of Processing on the Chemical Composition of Holothurians available in Sri Lanka. *Proceedings of the Fifteenth sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)* , 30p.
27. Rajapaksha, R.M.G.N., **Sundarabarathy, T.V.** and Nathanael, S. (2009).The fishery at the Nuwara wewa and Ranawa Reservoir in the Anuradhapura district comparative study. *Proceedings of the Second Annual Research Sessions, Rajarata University of Sri Lanka.* 15p.
28. Fernando, K.S.G.S., Epa, U.P.K and **Sundarabarathy, T.V.** (2009). Fattening of Mud-crab *Scylla serrata* in Cages using Locally Available Animal Byproducts in a Brackish Water Pond. *Proceedings of the Second Annual Research Sessions, Rajarata University of Sri Lanka.* 12p.
29. Samarathunga, S.M.S.K., **Sundarabarathy, T.V.** and Nathanael, S. (2009). A Comparative Study of the Fishery at Minneriya wewa and Parakrama samudra. *Proceedings of the Second Annual Research Sessions, Rajarata University of Sri Lanka.* 14p.
30. Sugathapala, R.M.N.S., **Sundarabarathy, T.V.** and Edirisinghe, U. (2011). Salt Based Fish Processing and Marketing by Fisheries of Minneriya Reservoir in Sri Lanka. *Twenty Third Annual Congress of the PGIA.* 39p.
31. Sugathapala, R.M.N.S., **Sundarabarathy, T. V.** and Edirisinghe,U. (2011). Present Status of Production of Smoked Freshwater Fish in Minneriya, Sri Lanka. *2nd Annual Research Sessions 2011, Rajarata University of Sri Lanka.* 94 – 98 pp.
32. Kumari, M.M.T. and **Sundarabarathy, T.V.** (2011). Use of Fermented Feather Meal in the Artificial Feed of Gift Tilapia. Sri Lanka. *2nd Annual Research Sessions 2011, Rajarata University of Sri Lanka.* 99 – 102 pp.
33. Karunaratne, K.M.S.K. and **Sundarabarathy, T.V.** (2011). Survey of Ornamental Fish Diseases and Fish Health Management Practices in Selected Commercial Aquaria and Farms in the Nittambuwa area. *2nd Annual Research Sessions 2011, Rajarata University of Sri Lanka.* 103– 106. pp..

34. Jayarathne, R.M.P.N., **Sundarabarathy, T.V.** and Herath A.C. (2011). Preliminary Study of Antimicrobial Activity of Porphyrins Against the White Spot Disease Caused by *Ichthyophthirius multifiliis* in Black Molly (*Poecilia saphenous*). *2nd Annual Research Sessions 2011, Rajarata University of Sri Lanka*. 107 – 110 pp..
35. Jayawardena, M.M.R.S. and **Sundarabarathy, T.V.** (2012). Ichthyofaunal Diversity in Selected areas of Theligam Oya and its tributes in the Dumbara massif. *Conservation Sri Lanka 2012, Proceedings of the Symposium, The Institute of Biology Sri Lanka, Biodiversity Secretariat*. 28 p.
36. Perera, P.A.C.T., **Sundarabarathy T.V.** and Edirisinghe, U. (2012). Threats to the indigenous freshwater fishes in Malwatu Oya in Anuradhapura area of Sri Lanka and remarks on their abundance. *Proceedings of the International Symposium on water quality and human health: challenges ahead, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka*. 33p.
37. Arachchi, A.A.S.A. and **Sundarabarathy, T.V.** (2013). Consumer Preference of Smoked Dry Tilapia Fish Processed with Different Additives. *3rd Annual Research Symposium 2013, Rajarata University of Sri Lanka*. 1 – 2 pp.
38. Perera, P.A.C.T., **Sundarabarathy, T.V.**, Sivananthawerl, T. and Edirisinghe, U. (2014). Spatial changes in nitrates and phosphates in Nachchaduwa perennial reservoir, Sri Lanka. *Proceedings of the International Symposium on water quality and human health: challenges ahead, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka*. 16 p.
39. Rathnayake, G. G. N., Wathsala, R.H.G.R., Fernando, A.P.S., **Sundarabarathy, T.V.** and Dissanayake, D.S.B. (2014). Feeding Behaviour of Tank Cleaner (*Hypostomus plecostomus*) and its impact on fishing in Huruluwewa Tank, Anuradhapura. *6th Annual Research Symposium 2014, Rajarata University of Sri Lanka*. 54 p.
40. Coswatte, A.C.W.W.M.C.L.K. and **Sundarabarathy, T.V.** (2014). Study of Morphometric and meristic characters and food preference of *Anaba testudineus* (Bloch 1795) Climbing perch) collected from different locations of Sri Lanka. *2nd International Research Symposium 2014, Rajarata University of Sri Lanka*. 441 - 443.pp.
41. De Zoysa, H.K.S. and **Sundarabarathy, T.V.** (2014). Freshwater fish diversity, abundance, conservation and effect of Aquatic birds on fish population in Kammalakkulama tank at Mihintale, Sri Lanka. *2nd International Research Symposium 2014, Rajarata University of Sri Lanka*. 465 – 468 pp.
42. De Zoysa, H.K.S. and Sundarabarathy, T.V. (2015). Avifaunal Diversity and Abundance at Kammalakkulama Tank in Mihintale, Sri Lanka. *Proceedings of the International Forestry and Environment Symposium 2015 of the Department of*

Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka.
22p.

43. Suraweera, S.N., **Sundarabarathy, T.V.** and Perera, T. (2015). Formulation of maintenance feed using three protein sources: Fish, Soybean and Moringa leaf meals for Powder blue surgeon (*Acanthurus leucosternon*). *Proceedings of the Twenty First Annual Scientific sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)* . 32p.
44. Coswatte, A.C.W.W.M.C.L.K. and **Sundarabarathy, T.V.** (2015). Formulation of suitable culture media for different life stages of *Moina macrocopa* using cow dung and poultry manure. *Proceedings of the Twenty First Annual Scientific sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)* . 34p.
45. Weerasekera Maduwanthi and **Sundarabarathy, T.V.** (2016). Analysis of nutritional value and study of postharvest techniques of Malabar sprat (*Ehirava fluviatilis*). *Third International conference of Agricultural Sciences - AgInsight 2016, Sabaragamuwa University of Sri Lanka, Sri Lanka.*159 -161 pp.
46. Attanayake Pavithra and **Sundarabarathy, T.V.** (2016). Effect of hydrothermally processed *Citrullus lanatus* (water melon) seed meal on growth performance of *Cirrhinus mrigala* fry. *Third International conference of Agricultural Sciences - AgInsight 2016, Sabaragamuwa University of Sri Lanka, Sri Lanka.*156 -158 pp.
47. Zoysa, H. K. S. de, Edirisinghe, E. M. R. K. B and **Sundarabarathy, T. V.** (2017).Fatty acid profiles of Malabar sprat (*Ehirava fluviatilis*) from brackishwater and freshwater habitats in Sri Lanka. *Proceedings of the National Aquatic Resources and Development Agency (NARA), Scientific Sessions.* 57p.
48. Wijewardena, H.M.T.S., **Sundarabarathy, T. V.** and Chandrarathne, W.P. R.(2019). Efficacy of plant extracts as anesthetic agents during packing of *Oreochromis niloticus* and *Cyprinus carpio*. *Proceedings of the National Aquatic Resources and Development Agency (NARA), Scientific Sessions.* 17p.

Non-refereed Scientific Publications

49. Adikari, A.M.A.N., **Sundarabarathy, T.V.**, Nayananjalie, W.A.D. and Herath, M.U.K.P.B. (2009). Use of Aquatic plants (*Ipomea aquatica* and *Hydrilla verticillata*) in artificial feed of Indian carp (*Catla catla*) fry. *Proceedings of the Annual Research Sessions, Faculty of Agriculture, Rajarata University of Sri Lanka.*..47p.
50. Padmasiri, H.G.N.C., **Sundarabarathy, T.V.**, Mudalige, A.R., Sujatha Premaratne and Bandara, A.M.K.R. (2011). Effects of Different Organic Fertilizers on Plankton Production and Growth of Indian Carp (*Catla catla*) Fry. *Proceedings of the Annual Research Sessions, Faculty of Agriculture, Rajarata University of Sri Lanka.* 16p.

51. Priyankarage, P.L.R. and **Sundarabarathy, T.V.** (2017). Isolation and characterization of bacterial flora of healthy and diseased Tilapia and evaluation of their antimicrobial susceptibility. *Proceedings of Applied Sciences Undergraduate Research Sessions 2017 (ASURS 2017), Rajarata University of Sri Lanka..* 9p.
52. Ranaweera , N.T.I.and **Sundarabarathy, T.V.** (2017). Enrichment of *Daphnia magna* with amino acids, DL Methionine and L lysine and its effects on growth and survival of Guppy (*Poecilia reticulata*) fry. *Poceedings of Applied Sciences Undergraduate Research Sessions 2017 (ASURS 2017), Rajarata University of Sri Lanka..* 10p.
53. Rathnayake, K.G.V.S.. and **Sundarabarathy, T.V.** (2017). Identification of prevalent infectious ornamental fish diseases in Kurunagala District and introduction of farmer level quarantine procedure and BMP for relevant fish diseases. *Proceedings of Applied Sciences Undergraduate Research Sessions 2017 (ASURS 2017), Rajarata University of Sri Lanka..* 11 p.
54. Jayawardhena, P.B. and **Sundarabarathy, T.V.** (2018). Enhancement of Immunity and Growth of Goldfish with Three medicinal Plants, Turmeric (*Curcuma longa*), Ginger (*Zingiber officinale*) and Komarika (*Alo vera*). *Proceedings of Applied Sciences Undergraduate Research Sessions 2018 (ASURS 2018), Rajarata University of Sri Lanka..*2p.
55. Wijewardna and **Sundarabarathy, T.V.** (2018). Efficacy of Selected Plant Extracts as Anesthetics Agents During Handling and Packing of *Oreochromis niloticus* (Nile Tilapia) and *Cyprinus carpio* (Koi carp). *Proceedings of Applied Sciences Undergraduate Research Sessions 2018 (ASURS 2018), Rajarata University of Sri Lanka.* 9p.

News Letters

56. Anslem de Silva, Chandra, H.M.T.S.ratna, W.P.R., Chalaochani, H.M.N., Goonasekera, M.M., **Sundarabrathi, T.V.**, Nathaneal, S. (2008). Malformations in Sri Lankan Frogs. *Froglog*, Vol 89 : 4 – 5 pp.

Reports and Dissertations

Vallipuram, T. (1996). Some aspects of Breeding and Cross breeding of Common Carp (*Cyprinus carpio* L.) and Goldfish (*Carassius auratus* L.). A Research report submitted in partial fulfillment of the requirement for the degree of M.Sc. in the Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka.

Vallipuram, T. (2000). Portfolio. A report submitted in partial fulfillment of the requirement for the course of Certificate in Teaching in Higher Education (CTHE) and, Staff and Educational Development Association (SEDA), UK in the staff Development Centre, University of Colombo, Colombo, Sri Lanka.

Sundarabarathy, T.V. (2004). Some Ecological aspects of fish assemblages of a wet zone stream system; Breeding and Rearing of three Endemic fish species. Ph.D. dissertation, Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka.

REVIEWER OF CURRICULUM /MANUSCRIPTS IN SCIENTIFIC JOURNALS

Curriculum Reviewer

B.Sc. (Special) Degree program in Applied Biology,
Department of Biological Sciences, Faculty of Applied
Sciences, South Eastern University of Sri Lanka (2012)

Peer review of Manuscripts

24th Annual Congress of the Postgraduate Institute of
Agriculture, University of Peradeniya. (2012)

30th Annual Congress, Postgraduate Institute of
Agriculture, University of Peradeniya (2018).

68th Annual sessions of the Sri Lanka Association for
Advancement of Science (SLAAS) (2012)

69th Annual sessions of the Sri Lanka Association for
Advancement of Science (SLAAS) (2013)

4th Ruhuna International Science and Technology Conference,
RISTCON (2017)

4^{terh} International Symposium of Rajarata University of
Sri Lanka – 2018

SLJAE – Sri Lankan Journal of Agriculture and
Ecosystems ISSN: 2673-1401 - 2019
Faculty of Agriculture, Rajarata University of Sri Lanka

2nd International Research Conference of Uva
Wellassa University (IRCUWU) 2018

3rd International Research Conference of Uva
Wellassa University (IRCUWU) 2019

Reviewer

Journal : Acta Ichthyologica et Piscatoria Journal
Publisher : Scientific Society of Szczecin

Proceedings of the National Academy of Sciences, India
Section B: Biological Sciences

SUPERVISION OF POSTGRADUATE DEGREES

M.Phil.

1. **Candidate's name - Ms. M.G.T.H. Abayarathna**
Title : Amphibian Diversity in the Giritala Nature Reserve, Sri Lanka. The Biodiversity of Mihintale
Supervisors: Prof. W.A.D.Mahulpatha, **Dr. T.V. Sundarbarathy**
Effective Date : 2nd April 2009
2. **Candidate's name - Ms. R.M.N.S. Sugathapala**
Title : Status of the Fishery in a Major Irrigation Reservior , Minneriya Reservoir
Supervisors: **Dr. T.V. Sundarbarathy**, Prof. U. Edirisinghe
Effective Date: 7th December 2014
3. **Candidate's name – Mr. H.K.S. de Zoysa**
Title : Investigation of the Changes and Role of Fatty Acid Profile with its Biochemistry in Malabar Sprats (*Ehirava Fluviatilis*) of Sri Lanka
Supervisors: Dr. E.M.R.K.B. Edirisinghe, **Dr. T.V. Sundarbarathy**, Prof. Upali S Amarasinghe, Prof. Sena S. De Silva
Effective Date: 2nd September 2019

Ph.D.

1. **Candidate's name - Mr. P.A.C.T. Perera**
Title: Seasonal changes of physiochemical parameters and fish diversity in the upper Malwathu oya, Anuradhapura, Sri Lanka.
Supervisors: **Dr. T.V. Sundarbarathy**, Prof. U. Edirisinghe
Date : 2012 to date

SUPERVISION OF UNDERGRADUATE RESEARCH PROJECTS

1. An Ecological Study of the Meso and Macro Fauna of the littoral Region of Nuwarawewa , a perennial tank at Anuradhapura. By A.M.R.K. Amarakoon, 2007.

2. A Study of Socio Economic Status of the Fishing Community Management Strategies and Fish Production of Nuwara Wewa and Ranawa Reservoir in the Anuradhapura District. By Ms.R.M. G. Nissansala Rajapaksha, 2008.
3. The Socioeconomic Status of Fishing Communities at Huruluwewa, Kala wewa and Mahakanadarawa wewa in Anuradhapura District. By R.M.N.S. Sugathapala 2008.
4. Status of Aquatic Plants in Selected Tanks in the Anuradhapura District. By Ms. J.U. Munasinghe, 2008.
5. Fattening of Mud-crab *Scylla serrata* in Cages using Locally Available Animal By products in a Brackish Water Pond. By Mr. K.S.G.S. Fernando, 2009.
6. Nutritional Value of Selected Aquatic Plants in Sri Lanka. By Ms. T.K. Jayawardana, 2009.
7. Freshwater Fish Diversity in Selected Water Bodies in Mihintale Sanctuary. By Ms. S.D.Liyanage, 2009.
8. Use of Aquatic plants (*Ipomea aquatica* and *Hydrilla verticillata*) in artificial feed of Indian carp (*Catla catla*) fry. By Ms. A.M.A.N. Adikari, 2009.
9. Effects of Different Organic Fertilizers on Plankton Production and Growth of Indian Carp (*Catla catla*) Fry. By Mr. H.G.N.C.Padmasiri, 2011.
10. Use of Fermented Feather Meal in the Artificial Feed of Gift Tilapia. By Ms. M.M.T. Kumari, 2011.
11. Survey of Ornamental Fish Diseases and Fish Health Management Practices in Selected Commercial Aquaria and Farms in the Nittambuwa area. By Ms. K.M.S.K. Karunaratne, 2011.
12. Preliminary Study of Antimicrobial Activity of Porphyrins Against the White Spot Disease Caused by *Ichthyophthirius multifiliis* in Black Molly (*Poecilia sphenous*). By Mr. R.M.P.N., Jayarathne, 2011.
13. Ichthyofaunal Diversity in Selected areas of Theligam Oya and its tributes in the Dumbara massif. Conservation Sri Lanka. By M.M.R.S. Jayawardana, 2012.
14. Effect of Different Growth media on Culture of *Echinodorus parviflorus* "Tropica" By Ms. N.P.K. Subasinghe, 2012.
15. Improvement of Artificial fertilization of Common Carp (*Cyprinus carpio*) using Tannic acid and Carbonic solution. By R.M.P.N. Jayaratne, 2013.

16. Diversity of vertebrates fauna in selected area of Kammalakkulama Tank, Anuradhapura, Sri Lanka” by Mr. H.K.s. de Zoysa , 2013.
17. Feeding Behaviour of Tank Cleaner (*Hypostomus plecostomus*) and its impact on fishing in Hururuwewa tank, Anuradhapura. By Ms. G. N. Rathnayake, 2014.
18. Formulation of maintenance feed using three protein sources: Fish, Soybean and Moringa leaf meals for Powder blue surgeon (*Acanthurus leucosternon*). By Mr. S.N. Suraweera, 2014.
19. Formulation of suitable culture media for different life stages of *Moina macrocopa* using cow dung and poultry manure. By Ms. A.C.W.W.M.C.L.K. Coswatte, 2014.
20. The effect of Probiotics, *Lactobacillus* sp. *Bifidobacterium lactis* and *Saccharomyces cerevisiae* on growth performance of goldfish. By Ms. P.S.H.Wadimunna, 2014.
21. Analysis of nutritional value and study of postharvest techniques of Malabar sprat (*Ehirava fluviatilis*). By Ms. Maduwanthi Weerasekera, 2015
22. Effect of hydrothermally processed *Citrullus lanatus* (water melon) seed meal on growth performance of *Cirrhinus mrigala* fry. By Ms. Pavithra Attanayake, 2015.
23. Effect of dietary incorporation of probiotics, *Lactobacillus bulgaricus* and *Saccharomyces cerevisiae* on growth performance of Common carp (*Cyprinus carpio*) fry. By T.A.A.S. Ranaweera, 2016.
24. Impacts on water quality in an integrated system of aquaponics and Nile tilapia (*Oreochromis niloticus*) By Ms. N.N. Senevirathna, 2016.
25. Enrichment of *Daphnia magna* with amino acids, DL Methionine and L Lysine and its effects on growth and growth and survival of Guppy (*Poecilia reticulata*) fry. By Ms. N. I Ranaweera, 2017.
26. Identification of prevalent ornamental fish diseases in Kurunegala district and introduce a farmer level quarantine procedure and BMP for relevant fish diseases. By Mr. K.G.V.S. Rathnayake, 2017.
27. Isolation and characterization of bacterial flora of healthy and diseased tilapia and evaluation of their antimicrobial susceptibility. By Ms. P.I.R. Priyankarage, 2017.
28. Efficacy of selected plant extracts as anesthetic agents during handling and packing of *Oreochromis niloticus* (Nile Tilapia) and *Cyprinus carpio* (Koi Carp). By Ms. H.M.T.S. Wijewardana 2018.

29. Enhancement of immunity and growth of goldfish with three medicinal plants, Turmeric (*Curcuma longa*), Ginger (*Zingiber officinale*) and Komarika (*Aloe vera*). Ms. P. B. Jayawardhana 2018.

UNIVERSITY AND NATIONAL DEVELOPMENT

University

Participant	Continuing Professional Development (CPD) Programmes/Extension Courses/Short Courses in the Faculty of Applied Sciences, Rajarata University of Sri Lanka
Member of the Curriculum Development Team: Department of Biological Sciences	Major curriculum revision of Biological Sciences under IRQUE project in 2005. Introduction of B.Sc. (Special) Degree program in Fisheries & Aquaculture Management in 2005. Major curriculum revision of Biological Science under QIG grant – 2015. Introduced (Online) External B.Sc. Degree in Biological Sciences - 2009
Panel Member: Department of Biological Sciences	Developed and planned the curriculum for following course units of B. Sc. in <i>Special</i> and <i>General</i> Degree programmes for following course units ZOO 2204 - Fish Biology FAM 3201 - Fisheries & Aquaculture FAM 3204 - Breeding Techniques in Aquaculture FAM 3303 - Ornamental Fish Industry Developed and planned the curriculum for following course units of Online B. Sc. (External) in Biology Degree programme ZOO 1223 - Vertebrate Diversity ZOO 1124 - Genetics and Evolution ZOO 2321- Fish Biology ZOO 3624 - Fisheries and Aquaculture Management

National

Resource person	G.C.E. Advanced Level workshop for the students of North Central Province.
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Resourceperson	G.C.E. Advanced Level workshop for the teachers of North Central Province collaboration with National Institute of Education.
Chief Examiner	G.C.E. Advanced Level, Department of Examinations, Sri Lanka - 2017 to date.

I certify that the above particulars furnished by me are correct and true to the best of my Knowledge.

Dr. (Mrs.) T.V. Sundarabrathy

Date: 12th December 2019