

# Curriculum vitae

## Rajapakshage Dilani Nuwandhika Wijesinghe

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**Date of Birth:** 05<sup>th</sup> September 1984

**Place of Birth:** Trincomalee, Sri Lanka

**Nationality:** Sri Lankan

**Civil status:** Married

### EDUCATIONAL QUALIFICATION

2014-2016 Master of Science (M.Sc.) in Aquaculture  
Ghent University, Belgium  
Student ID: 01400915  
Completed with Greatest distinction (82.1%)  
Total Number of Credits: 120 ECTS  
Duration: 2 years

2006 – 2011 Bachelor of Science (B.Sc.) in Fisheries and Marine Sciences (Special) degree  
University of Ruhuna, Sri Lanka  
Student ID: FS/ 2006/ 013  
Specialized in Aquaculture  
Graduated with First class (Honours), GPA: 3.76  
Total Number of Credits: 120  
Duration: 4 years

## CAREER INFORMATION

Designation	Institution	Period	
		From	To
Lecturer	Dept. of Fisheries & Aquaculture, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, Sri Lanka	15 th February 2013	Up to date
Temporary lecturer	Dept. of Fisheries & Aquaculture, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, Sri Lanka	01 <sup>st</sup> November 2011	14 th February 2013
Temporary demonstrator	Dept. of Fisheries & Aquaculture, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, Sri Lanka	02 <sup>nd</sup> August 2011	31 <sup>st</sup> October 2011

### Responsibilities

- Conducting lecturers and practical sessions on Fisheries and Aquaculture especially on: Fish curing processing and waste management of fisheries, Basic biology of fish, Histology of fish, Fish population dynamics, Fisheries co-management, Capture fisheries, Aquaculture management and Methods for aquaculture.
- Supervision of research conducted by undergraduate.
- Conducting basic, advance and applied research related to the fisheries and aquatic sciences. Organizing field excursions and Assessing students' practical reports and assignments.
- Setting relevant examinations and marking examination papers of undergraduates.
- Conducting workshops for fisher communities, entrepreneurs and those who are involved in ancillary industries related to fisheries in order to sustainable utilization of fishery resources and to sustainably manage the fishery industry by utilizing the fish waste for production of value added products.
- Participating national and international conferences related to fisheries.

## SCHOLARSHIPS

VLIR- UOS (Vlaamse Interuniversitaire Raad) scholarship for studying the Master degree in Aquaculture at Ghent university, Belgium for academic years 2014 – 2016: Awarded by the Flemish Inter University Council (VLIR), Belgium.

## RESEARCH GRANTS

Faculty grant for the RU/ FMST/ 2018/ 05 entitled Present status of Mobula fishery in Southern Cost of Sri Lanka

## PUBLICATIONS AND PATENTS

### Patents (Local)

- Production of SOFT LEATHER USING FISH SKIN and natural dyes (Ecofriendly and Economically feasible way) – Number: LK/P/1/1750 Date: 01.12.2016

### Abstracts

- **Wijesinghe, R.D.N.**, Weerakoon, E.M., & Cumaranatunga, P.R.T. (2012). Impact of Training for Fish Production Enhancement with particular reference to Culture Based Capture Fisheries in Anuradhapura District. Proceedings of 9<sup>th</sup> Academic session, University of Ruhuna, p.30
- **Wijesinghe, R.D.N.**, Baruah, K., & Gilbert Van Stappen (2018). Impact of Arachidonic acid on *Artemia franciscana* challenged with pathogenic *Vibrio harveyi* on susceptibility to infection in Aquaculture organisms. Proceedings of 15<sup>th</sup> academic sessions, University of Ruhuna.p.04
- Priyashadi, M.S.V.H., **Wijesinghe, R.D.N.**, & Deepananda K.H.M.A. (2019). A preliminary study on marine ornamental fishery in Trincomalee, Sri Lanka. Proceedings of the 25<sup>th</sup> Anniversary Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR), 19<sup>th</sup> August 2019, p. 39. Retrieved from [http://www.slafar.lk/images/pdf/scientific\\_sessions/2019.pdf](http://www.slafar.lk/images/pdf/scientific_sessions/2019.pdf)
- Laksika, N., **Wijesinghe, R.D.N.**, & Cumaranatunga, P.R.T. (2019). Post- harvest quality assessment of milk fish in landing and marketing sites at Nanthikadal lagoon, Mullaitivu. Proceedings of the 25<sup>th</sup> Anniversary Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR), 19<sup>th</sup> August 2019, p. 45. Retrieved from [http://www.slafar.lk/images/pdf/scientific\\_sessions/2019.pdf](http://www.slafar.lk/images/pdf/scientific_sessions/2019.pdf)

### Peer – reviewed book chapter at conferences (Accepted)

- **Wijesinghe, R.D.N.** (2019). Green method to produce fish leather. Developing key parameters for ensuring sustainability of leather sector in Developing countries in Chennai, India during 28<sup>th</sup> -31<sup>st</sup> January 2019

## Thesis

- Wijesinghe R.D.N. (2016). Impact of highly unsaturated fatty acids on the susceptibility of aquaculture organisms to infections. *Artemia* Reference center (ARC), Ghent University, Belgium. M.Sc. Supervised by Prof. dr. Gilbert Van Stappen and Dr. Kartik Baruah
- Wijesinghe R.D.N. (2011). Impact of Training, Credits and Extension for Fish Production Enhancement with particular reference to Culture Based Capture Fisheries in Anuradhapura District. University of Ruhuna, Sri Lanka. B.Sc. Supervised by Dr. Elmo Weerakoon and P.R.T. Cumaranatunga.

## TRAININGS AND WORKSHOPS ATTENDED

### International

- Selected as an official nominee from Sri Lanka to participate the international training workshop on “Developing key parameters for Ensuring Sustainability of Leather Sector in Developing Countries” in Chennai, India, 28<sup>th</sup> -31<sup>st</sup> January 2019.
- Aquatic farm management training (farms in Spain & Portugal) as a part of compulsory requirement of master degree programme 08<sup>th</sup> – 15<sup>th</sup> April 2015.
  - Gained experiences on handling of aquaculture instruments and the farm management techniques.

### Local

- Successfully completed a workshop on **PhD Research Proposal writing** conducted by DAAD information centre Colombo , 23<sup>rd</sup> August 2019, Mount Lavinia Hotel, Colombo, Sri Lanka
- Successfully completed the **Workshop on Scientific Writing** conducted by Sri Lanka Association of Fisheries and Aquatic Resources (SLAFAR) and Bay of Bengal Large Marine Ecosystem (BOBLME) project, 29<sup>th</sup> – 2<sup>nd</sup> May 2013, MAS Institute of Management and Technology, Thulhiriya, Sri Lanka.
- Industrial training at marine environmental protection authority from 2<sup>nd</sup> May 2011 to 8<sup>th</sup> July 2011.
- Training on “**Breeding practices of food fish and ornamental fish**”. NAQDA (National Aquaculture Development Agency) – centers at Kalawewa and Rambodagalla, Sri Lanka during the period between 2010 and 2011.

## CONFERENCES ATTENDED

### International

- VLIZ Young Marine Scientists' Day. VIVES, Brugge, Belgium, 20<sup>th</sup> February 2015.

### National

- First Symposium on Sustainable Inland Fisheries and Aquaculture for Food Security and Nutrition, organized by National Aquaculture Development Authority (NAQDA), National Inland Fisheries and Aquaculture Training Institute (NIFATI), Vijithapura, Kalawewa. Sri Lanka. 30<sup>th</sup> & 31<sup>st</sup> May 2019
- First National Symposium on Marine Environment organized by Marine Environment Protection Authority (MEPA). Induruwa, Sri Lanka. 27<sup>th</sup> – 28<sup>th</sup> August 2013.

## National level Contribution to Fisheries and Marine Science work

### Trainings and Workshops Conducted

- Conducted lectures on post-harvest handling practices and fish processing in the Workshop for local fishers in Dondra, Matara, Sri Lanka, January 2014.

### Involvement in Projects

- Provide the fullest co-operation to port biological baseline survey carried out by Marine Environmental Protection and prevention Authority (MEPA) as the member of fish biology group during the period of 2013-2014.

### Assistance to legal fisheries

- Provide Fullest Co-operation to protect marine fish from dynamite fishing by providing proof reports. (University of Ruhuna)

## Research Interest

- Fish processing, post-harvest technologies and waste management of fisheries
- Fisheries management and governance
- Fish population dynamics
- Impact of micro-plastics on fish production
- Fin fish and shell fish aquaculture
- Impact of diseases on aquaculture production
- Fish parasitology and virology

## Computer Literacy

- Sound working Knowledge in Microsoft operating systems with years of experience using MS office.
- Successfully completed Certificate Course in Computer Literacy – Conducted by Computer Unit of University of Ruhuna, Sri Lanka.
- Successfully completed the Certificate course in

### Experienced in following Software:

- R studio
- SPSS (Statistical Package for the Social Sciences)
- Microsoft Office Tools (MS Word, Excel, Power Point and Access)

## LANGUAGE PROFICIENCY

- Fluent in all four components of the English Language.
- Followed both BSc and MSc Degrees in English medium.
- International English Language Testing System (IELTS) – 2019: 6.5 overall band score. (Candidate No: 19LK002431WIJR001A)
- Passed level I, II and III Proficiency in English Examination, University of Ruhuna, Sri Lanka.
- Delivering lectures and conducting practical classes in English medium.
- Native speaker of the Sinhalese Language.

## Skills

### Laboratory skills in fish sciences:

- Experienced in techniques of titrimetric, gravimetric, spectrophotometry and handling advanced laboratory equipment with safety precautions.
- Worked with different instruments which used for fish curing and processing, proximate composition of fish and many more related to the fisheries experiments.
- Experienced in working at advanced aquaculture laboratories & clean laboratory environments.
- Experienced in sample collection, identification of species in Marine and fresh water bodies.

### Swimming and diving skills:

- Trained in swimming and snorkelling.

**Research skills:**

- Capable of developing hypothesis based on prevailing questions and literature, and preparing research proposals accordingly.
- Knowledgeable in qualitative and quantitative research methodologies for environmental sciences with strong analytical and interpretational skills.
- Possess excellent presentation skills in both oral and written forms.

**Communication skills:**

- Complemented for clear and powerful voice in lecturing and public speaking.

**Other Skills:**

- Excellent interpersonal & communication skills
- Ability to work under harsh conditions & meeting deadlines
- Team player
- Willingly takes responsibility & leadership
- Fast learner
- Punctual, disciplined & organized

**Membership**

Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)(Life Member)

**Extra-Curricular Activities**

School level:

Served as a monitor and subject leader.

Junior prefect: Maliyadeva Balika , 1999

Member of the UNESCO society and committee member of society of photographers

Member of Basketball and Badminton teams.

Participated to the Sinhala quiz programs and won the places.

University level:

Member of the carom team of faculty of Fisheries and Marine Sciences, University of Ruhuna, 2010.