

CURRICULUM VITAE

01. Name : Dr. Ranjith Edirisinghe
02. Present Designation & Official address :
Senior Lecturer Grade 1
Dept. of Physical Sciences
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03. Educational qualifications :

- B.Sc (Sp), Chemistry- University of Sri Jayawardenepura, Sri Lanka - 1993
- M.Phil, Chemistry - University of Sri Jayawardenepura, Sri Lanka - 1999
- Ph.D - Natural Resources Institute (NRI), University of Greenwich, United Kingdom - 2004

04. Work experience :

25 years experience in Academic, Research & Development and Project Management

- Senior Lecturer in Chemistry (Grade 1).** Dept of Physical Sciences, Faculty of Applied Sciences, Rajarata University of Sri Lanka (06th Aug 2012 – upto date).
- Head / Dept. of Physical Sciences,** Faculty of Applied Sciences, Rajarata University of Sri Lanka (Nov 2014 – Nov 2017).
- International Post Harvest Consultant.** Ministry of Agriculture and Fisheries, Republic of Maldives. May-July 2013.
- Visiting Lecturer (2004 – 2014).** (Details given in section 7)
- Project Manager / National Consultant** of the **FAO** project “Minimum Standards for Fish Handling and Reduced Post-Harvest Losses in Selected Tsunami-Affected Communities” (**GCP/SRL/056/SPA**), **Food & Agriculture Organization of the United Nations** (15th August 2009 – 31st Dec 2010).
- Head, Institute of Post Harvest Technology,** National Aquatic Resources Research & Development Agency (**NARA**), Sri Lanka. 15th February 2004 – 15th August 2009.
- Research Officer, Institute of Post Harvest Technology,** NARA from 01st April 1996 – 04th August 2012.
- Project Officer** of the European Union / FAO Funded STD-3 project (TS*-CT93-0207, Improved utilization of low value fish species), Post Harvest Technology Division, NARA. 01st July 1994 – 31st March 1996.
- Demonstrator.** Dept of Chemistry. University of Sri Jayawardenepura, Jan – June 1994

05. Other highlights

- Coordinator – Postgraduate degree programs,** Faculty of Applied Sciences, Rajarata University of Sri Lanka (April 2018 – upto date)
- Warden - Dutugemunu hostel,** Rajarata University of Sri Lanka, 2014, 2017- upto date
- Senior Student Counselor-** Faculty of Applied Sciences, RUSL – 2018

06. Discipline of working

Organic chemistry, Food Chemistry, Marine Sciences, Post Harvest Technology

07. Teaching Subjects

- CHE 1203 Organic Chemistry -1
- CHE 2202 Organic Chemistry -2
- CHE 2016 Spectroscopic Methods in Organic Chemistry
- CHE 3204 Food Chemistry
- CHE 3209 Chemistry of Natural Products
- CHE 4309 Advanced organic Chemistry

08. Other Academic work

- i. *Visiting lecturer* of the Dept. of Microbiology, University of Kelaniya. Sri Lanka 2004-2007
- ii. *Visiting lecturer* of the Dept. of Zoology, University of Kelaniya. Sri Lanka 2006-2007
- iii. *Visiting lecturer* of the Dept. of Food Science & Technology, University of Wayamba. Sri Lanka. 2005-2006
- iv. *Visiting lecturer* of the Dept. of Biological Sciences, University of Rajarata. Sri Lanka. 2007-2008, 2008-2009, 2010-2011
- v. *Visiting lecturer* of the Dept. of Fisheries and Ocean Resources, University of Ruhuna, Sri Lanka. 2007-2008
- vi. *Visiting lecturer* of the Dept of Fisheries, National Institute of Fisheries and Nautical Engineering (Ocean University), Sri Lanka. 2005-2006
- vii. *Visiting Lecturer (MSc Program)* of the Dept of Food Science & Technology, University of Sri Jayawardenepura, Sri Lanka 2009-2010, 2011-2012, 2019-2020
- viii. *Visiting Lecturer (MSc program)* of the Dept of Zoology, University of Sri Jayawardenepura, Sri Lanka 2010-2011, 2012
- ix. *Visiting Lecturer* of the Dept of Animal and Food Science, Faculty of Agriculture, Rajarata University of Sri Lanka. 2017.
- x. *Visiting Lecturer* of the Dept of Food Technology, Faculty of Technology, Rajarata University of Sri Lanka. 2018, 2019, 2020

09. Grants Obtained:

- i. **Principal writer and Grant coordinator** : Procurement of Laboratory Equipment damaged by the Tsunami of Post Harvest Technology Division, NARA, Sri Lanka. 2005 – 2007. Grant value : US \$ 130,000.
- ii. **Principal writer and Grant coordinator** : Quality of Water and Ice used in the Sri Lanka Fisheries Sector (ICE/SL/FIS/2005/08), NARA, Sri Lanka (Phase I & Phase II). 2005 -2008. Grant value: US\$ 221,140.
- iii. **Grant coordinator and member of the writing team:**
Phase I: Training of Managers Training of Managers Involved in the Rehabilitation of Fisheries Harbours in Sri Lanka (ICE/SL/FIS/2006/01). 2006 – 2007
Phase II (Extension): Training on Fish Handling, processing and preparation of fish products for CBOs, Sewalanka and DFAR officials. NARA, Sri Lanka. 2008 - 2009
Grant value: US\$ 172,883.
- iv. **Deputy Coordinator and member of the writing team** (Activity 1) Higher Education for the Twenty-first Century (HETC) project Quality & Innovation Grant (QIG) - Physical

Sciences Project, Faculty of Applied Sciences, Rajarata University of Sri Lanka. 2014 - 2016. Grant value Rs. 25.0 Million.

- v. **Principal Investigator**, NRC (National Research Council, Sri Lanka) research grant No 2015-20, “Enhancement of shelf life of fish and fishery products by gamma irradiation” . 2015-2017. Grant value: Rs. 3.9 Million
- vi. **Principal Investigator / Coordinator**, District Secretariat of Anuradhapura funded research project on Assessment of Heavy Metal Toxicity of Water, Rice and Some common foods of North Central Province. 2015-2016. Grant value Rs. 1.42 Million.
- vii. **Principal Investigator**, Rajarata University of Sri Lanka funded research projects :
 - a). Studies on the Biochemical Activities of Some Marine Plants in Sri Lanka, 2012-2013. Grant value: Rs. 325,000.
 - b). Studies on the Fatty acid composition of freshwater fishes and Enhancement of shelf- life of fish products by gamma irradiation, 2015-2016. Grant value: Rs. 300,000.
 - c). Studies on the fatty acid composition of freshwater fishes, 2017-2018. Grant value: Rs. 400,000.
- viii. **Principal write and grant coordinator**: Accelerating Higher Education Expansion and Development (**AHEAD**) Development Oriented Research Grants (DOR) project on “Heavy Metal Contamination of Soil, Water Resources and Food in the North Central Province of Sri Lanka – Development of Cost Effective Remediation Techniques”. 2019 - . Grant value: Rs. 40 Million.

10. Research Projects Involved:

1. Utilization of Fish and fish waste to extract oil for Food and Feed purpose- Composition and stability of fish lipids : small pelagics (STD–3 Project, Funded by European Economic Community and FAO; 1994 – 1997).
2. Nutritional Importance of Freshwater and Brackish water Fish species in Sri Lanka. (1998)
3. Research on Fish Waste Resources and Development of Technologies for their utilization. (1999)
4. Purification and Stabilization of Fish oil and Shark liver oil to be used in the Enhancement of Fish Oils. (1999-2000)
5. Management of effluents from aquatic food processing plants. (2000)
6. Assessment and Management of Histamine in Fish and Fishery Products. (2000)
7. Evaluation of Gas Sensor Technology for the Non-Destructive Determination of Freshness and Shelf-Life of Yellowfin Tuna (*Thunnus albacares*) (PhD Research Project – 2001-2003)
8. Investigations in the use and residual levels of antibiotics and other veterinary drugs in products of aquaculture industry. (2004 -2005)
9. Quality of Water and Ice Used in the Sri Lankan Fisheries Sector (ICEIDA funded Project) (2006 -2007)
10. Study on Assessment of heavy metals in freshwater fish and selected marine fish (2008-2011)
11. Chemo-taxonomy and bio-diversity of marine sponges and extraction of pharmaceutical chemicals from marine organisms: 2011-upto date. (Collaborative project with University of British Columbia, Canada and NARA, Sri Lanka)
12. Studies on the Biochemical Activities of Marine Plants in Sri Lanka: 2012-2014

13. Assessment of Heavy metal Toxicity of Some Common Sri Lankan Foods and Water. 2012-2014
14. Gamma irradiation of food products (2015-2016)
15. Study on Assessment of heavy metals in foods (2014-upto date)

11. List of research publications, communications or papers presented at meetings

A). Research Publications in Peer Reviewed Journals

1. De Zoysa, H.K.S., Amarasinghe, U.S., **Edirisinghe, E.M.R.K.B.** 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. *NeBIO An International Journal of Environment and Biodiversity*. 10(3).152-163.
2. **Edirisinghe, E.M.R.K.B.** and Jinadasa, B.K.K.K. (2019). Arsenic and Cadmium Concentrations in Legumes and Cereals Grown in the North Central Province, Sri Lanka and Assessment of their Health Risk. *BMC International Journal of Food Contamination*. 6:3. DOI:10.1186/s40550-019-0073.
3. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2018). Effect of Low-Dose Gamma Irradiation on the Quality of Tilapia Fish Muscle with Storage at 0°C". *American Journal of Food Science and Technology*. 6 (6), 237-246.
4. De Zoysa, H.K.S., Jinadasa B.K.K.K., **Edirisinghe, E.M.R.K.B.** and Jayasinghe, G.D.T.M. (2018). The association of test diameter and gonad weight with some toxic trace metals level in black sea urchin (*Stomopneustes variolaris*). *Agriculture & Food Security*, 7:58
5. P.H. Ginigaddarage, P.H., Surendra, I.H.W., Weththewa, W.K.S.R., Ariyawansa, K.W.S., Ganegama Arachchi, G.J. Jinadasa, B.K.K.K., Hettiarachchi, K.S. **Edirisinghe, E.M.R.K.B.** (2018). Microbial and chemical quality of selected dried fish varieties available in Sri Lankan market. *Sri Lanka Journal of Aquatic Science* 23(1) : 119-126
6. De Zoysa, H.K.S., Jinadasa B.K.K.K., **Edirisinghe, E.M.R.K.B.** and Jayasinghe, G.D.T.M. (2017). Length-weight relationship of black sea urchin (*Stomopneustes variolaris*) in Sri Lanka. *International Journal of Aquatic Biology* 5 (6), 408-412.
7. Jinadasa B.K.K.K., De Zoysa, H.K.S., Jayasinghe, G.D.T.M. and **Edirisinghe, E.M.R.K.B.** Determination of the biometrical parameters, biochemical composition and essential trace metals of edible sea urchin (*Stomopneustes variolaris*) in Sri Lanka. *Cogent Food & Agriculture*. (published 16th Feb 2016)
8. Anna Kopf, Mesude Bicak, ... Ranjith Edirisinghe ... (2015). The ocean sampling day consortium. *GigaScience* (2015) 4:27 (Springer / Biomed)
9. Jinadasa B.K.K.K., Jayasinghe, G.D.T.M., Edirisinghe, E.M.R.K.B and Wickramasinghe, I. (2015) Mercury Concentration of Muscle Tissue and Relationship with Size of Yellowfin Tuna, *Thunnus albacares*, of the Indian Ocean. *European Journal of Academic Essays* 2(4): 35-40.
10. Jinadasa, B.K.K.K., **Edirisinghe. E.M.R.K.B.** and Wickramasinghe, I. (2014). Total mercury, cadmium and lead levels in main export fish of Sri Lanka. *Food Additives and Contaminants: Part B: Surveillance*. 7(4), 309-314
11. Jinadasa, B.K.K.K., Ahmad, S.B.N., **Edirisinghe. E.M.R.K.B.** and Wickramasinghe, I. (2014). Mercury Content in Yellowfin Tuna (*Thunnus albacares*) and Swordfish (*Xiphias gladius*) and Estimation of Mercury Intake. *Journal of Food Security*, 2(1), 23-26.
12. Jinadasa, B.K.K.K. and **Edirisinghe. E.M.R.K.B.** (2014). Cadmium, lead and total mercury in *Tilapia sp.* in Sri Lankan reservoirs. *Food Additives and Contaminants: Part B: Surveillance*. 7(2), 90-94.

13. Jinadasa, B.K.K.K., Edirisinghe. E.M.R.K.B. and Ahmad, S.B.N.(2013). Level of trace metal Hg, Cd, Pb, Cu, Fe and Zn in Yellowfin Tuna (*Thunnus albacores*) and Swordfish (*Xiphias gladius*) collected from Sri Lanka. Journal of the National Aquatic Resources Research & Development Agency of Sri Lanka. 42, 47-58.
14. Jinadasa, B.K.K.K., **Edirisinghe. E.M.R.K.B.** and Wickramasinghe, I. (2013). Total mercury content, weight and length relationship in swordfish (*Xiphias gladius*) in Sri Lanka. Food Additives and Contaminants: Part B: Surveillance. 6(4), 244-248.
15. Jinadasa, B.K.K.K., Rameesha, R.S, **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.U.S.K. (2010). Mercury, Cadmium and Lead Levels in Three Commercially Important Marine Fish Species of in Sri Lanka. Sri Lanka Journal of Aquatic Science, No 15, 39 – 43.
16. Anas, M.U.M., **Edirisinghe E.M.R.K.B.**, and Jayasinghe, J.M.P.K. (2009). Lipid composition and fatty acid profiles of wild caught and fattened mud crab, *Scylla serrata*, in Sri Lanka. Sri Lanka Journal of Aquatic Science, No 14, 75-85.
17. **Edirisinghe, Ranjith.K.B.**, Graffham, A.J. and Taylor. S (2007). Characterisation of the Volatiles of Yellowfin Tuna (*Thunnus albacares*) during Storage by Solid Phase Microextraction (SPME) and GC-MS and their Relationship to Fish Quality Parameters. International Journal of Food Science and Technology, 42 (10), 1139–1147.
18. Nadheesha, M.K.F, Bamunuarachchi, A, **Edirisinghe, E.M.R.K.B.** and Weerasinghe, W.M.S.K. (2007). Studies on Antioxidant Activity of Indian Gooseberry Fruit and Seed. Journal of Science of the University of Kelaniya, Sri Lanka, 3, 83-92.
19. **Edirisinghe, E.M.R.K.B.**, Graffham, A.J. and Taylor, S.J. (2005). Evaluation of Freshness of Yellowfin Tuna by Discrimination of Volatile Compounds using Gas Sensor Technology. The Journal of Aquatic Resources Research & Development Agency, Sri Lanka.37, 69-92.
20. De Croos, M.D.S.T., Jayasinghe, J.M.P.K., **Edirisinghe, E.M.R.K.B.**, De Silva, D.N. (2005). Lipid Composition and fatty acid profiles of wild caught and cultured black tiger shrimp, *Penaeus monodon*, in Sri Lanka. Sri Lanka Journal of Aquatic Science, 10, 35-43.
21. De Croose, M.D.S.T., Jayasinghe, J.M.P.K., **Edirisinghe, E.M.R.K.B.** and De Silva, D.N. (2004). Influence of White Spot Disease on Muscle Lipid Content and Fatty Acid Profile of Cultured *Penaeus monodon*. Asian Fisheries Science 17, 93-100.
22. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. and Bamunuarachchi, A. (2000). Nutritional Evaluation of Some Small Coastal Fish in Sri Lanka. Journal of the National Aquatic Resources Research & Development Agency of Sri Lanka. 36, 47-53.
23. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K., Jayasooriya, S.P. and Banunuarachchi, A.(1998), Health Related Fatty Acids in Some Pelagic Fishes in Sri Lanka. – Sri Lanka Journal of Aquatic Science, No 3, 91-101.
24. **Edirisinghe, E.M.R.K.B.**, Banunuarachchi, A. and Alwis A.A.P. (1997). Study of Some Physical Changes in Selected Foods during Ohmic Heating. Ceylon Journal of Science (Physical science), 4 (1), p 61 – 72.

B). Conference Proceedings

1. Senarathne, E.M.N.S. and **Edirisinghe E.M.R.K.B.** (2019). Determination of Heavy Metal Contamination of Some Aquatic Plants and Assessment of Health Risk. Proceedings of the 20th International Conference on Postgraduate Research, University of Kelaniya, Colombo, Sri Lanka. P 92, 30th December.
2. Senarathne, E.M.N.S. and **Edirisinghe E.M.R.K.B.** (2019). Assessment of Human Health Risk of Cadmium (Cd) And Lead (Pb) Through Consumption of Cow's Milk. Proceedings of the Multidisciplinary research symposium of the Global Academic Research Institute, Colombo, Sri Lanka. P 54, 17–18 December.

3. Kavindi, K.A.I., Arachchige, R.C.W., Kottegoda, I.R.M. and **Edirisinghe, E.M.R.K.B.** (2019). Determination of water hardness removal capacities by different clays. Proceedings of 75th Annual scientific sessions of Sri Lanka Association for the Advancement of Science (SLAAS), Colombo, Sri Lanka. p 173, 08-13 December.
4. Jayamanne, J. M. N. T., Gunawardhana, K. V. T., Nilukshi, D.A.V and **Edirisinghe, E. M. R. K. B.** (2019). A Study on the Evaluation of Nutritional Properties, Functional Properties and Storage Life of *Nymphaea pubescens* Willd (Olu) Seed-Incorporated Food Products. Proceedings of 75th Annual scientific sessions of Sri Lanka Association for the Advancement of Science (SLAAS), Colombo, Sri Lanka. p 188, 08-13 December.
5. Rathnapriya, R.H.D.L., Senevirathne, S.A. and **Edirisinghe, E. M. R. K. B.** (2019). Investigation of Biochemical Properties of *Oncosperma fasciculatum* and *Areca concinna* Seeds. Proceedings of the Rajarata International Research Conference (RIRC 2019). Rajarata University of Sri Lanka, p 227, 06-07 Nov.
6. Madushanka, A., **Edirisinghe, R.** and Rathnayake, S. (2019). Molecular Dynamics Simulation and Binding Studies of Ajmalidine with CDK4. Proceedings of the Rajarata International Research Conference (RIRC 2019). Rajarata University of Sri Lanka, p 220, 06-07 Nov.
7. Jayamanne, J. M. N. T., Samaranyake, M. D. W., Liyanage, S. L., Gunawardhane, K. V. T and **Edirisinghe, E.M.R.K.B.** (2019). Evaluation of Functional and Nutritional Properties of *Nymphaea pubescens* Seeds. Proceedings of the Rajarata International Research Conference (RIRC 2019). Rajarata University of Sri Lanka, p 216, 06-07 Nov.
8. Ekanayake, E.M.R.M. and **Edirisinghe, E.M.R.K.B.** (2019). Assessment of Oxidative Stability and Fatty Acid Composition of Gamma Irradiated Edible Oils. Proceedings of the 3rd International Research Symposium organized by Uva Wellassa University, Sri Lanka. p. 214, 07-08 Feb 2019
9. Jayasekara, G.H.S.D., Liyanaarachchi, G.V.V., Mubarak, M.N.A and **Edirisinghe, E.M.R.K.B.** (2019). Analysis of Pesticide Residues in Rice Cultivated in Anuradhapura District Using Multi-Residue QuEChERS Method with LC-MS/MS Detection. Proceedings of the 3rd International Research Symposium organized by Uva Wellassa University, Sri Lanka. p. 166, 07-08 Feb 2019
10. Senarathne, E.M.N. S., Karunathilake, K.J.K., Rajapakse, R. P. V. J. and **Edirisinghe E.M.R.K.B.**(2018). In vitro Determination of Anticancer Activity of Selected Marine Sponges of Sri Lanka.Proceedings of the 8th IUPAC International Conference on Green Chemistry, Bangkok, Thailand, p 263. 09-14 September.
11. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2018). Stability of Fatty Acids in Gamma Irradiated Yellowfin Tuna Fish Muscles During Storage. Proceedings of the 47th Annual Scientific Sessions of the Institute of Chemistry, Ceylon (ICChem), Chemistry in Sri Lanka 35(02), p 21, Colombo Sri Lanka. 12-13th June.
12. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2018). Effect of Gamma Irradiation on Histamine Content of Yellowfin Tuna (*Thunnus albacares*) fish Muscle. Proceedings of the 2nd International Research Symposium organized by Uva Wellassa University, Sri Lanka. p. 289. 01-02 Feb 2018.
13. Kumara, M.P. U. and **Edirisinghe, E.M.R.K.B.** (2018). Variation of Antioxidant Activity of Traditional Rice Due to Gamma Irradiation. Proceedings of the 2nd International Research Symposium organized by Uva Wellassa University, Sri Lanka. p. 275. 01-02 Feb 2018.
14. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2018). The Effect of Gamma Irradiation on Oxidation and Hydrolysis of Lipids in Yellowfin Tuna Fish Muscle. Proceedings of the 7th Young Scientists Forum Symposium of National Science & Technology Commission, Kuliypitiya, Sri Lanka. Pp 152-156, 19th January.
15. Kumara, M.P. U. and **Edirisinghe, E.M.R.K.B.** (2018). Impact of Gamma Irradiation on The Fatty Acid Profile of Some Traditional Rice (*Oryza Sativa.L*) Varieties of Sri Lanka. Proceedings of the 7th Young Scientists Forum Symposium of National Science & Technology Commission, Kuliypitiya, Sri Lanka. Pp 70-73, 19th January.

16. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2017). Quality Deterioration of Lipids and Muscle of Gamma Irradiated Tilapia Fish Fillets During Storage in Ice. International Conference on Food Quality, Safety and Security – (FOOD QUALSS 2017), Colombo, Sri Lanka. p 9. 24- 25th October.
17. Senarathne., E.M.N.S and **Edirisinghe, E.M.R.K.B.** (2017). Determination of Antioxidant, Antibacterial and Antifungal Activities of Some Marine Sponges of Sri Lanka. International Conference on Drug Discovery & Development (ICDDD 2017), Colombo, Sri Lanka. p 20, 12-13 September
18. Dilrukshi, M. K. G. B., Hettiarachi., S and **Edirisinghe. E.M. R. K. B.** (2017). Determination of In-vitro Antimicrobial Activity of Selected Marine Sponges Found in Sri Lanka. 10th International Research Conference of General Sir John Kotelawala Defence University. Sri Lanka. p 29, 3-4 August.
19. De Zoysa, H. K. S. **Edirisinghe E. M. R. K. B.** and Sundarabarathy, T. V. (2017). Fatty acids profiles of Malabar sprat (*Ehirava fluviatilis*) from brackish water and freshwater habitats in Sri Lanka. Proceedings of the Scientific Sessions of the National Aquatic Resources Research & Development Agency (NARA), Colombo, Sri Lanka. p 57. 25-27th July.
20. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2017). Variation of Microbial and Chemical Quality of Two Major Food Fishes in Sri Lanka with Gamma Irradiation. Proceedings of the International Food Research Conference (IFRC 2017), University Putra, Malaysia. Pp 13-16, 25 - 27 July.
21. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2017). Variation of Bacterial Load and Fatty Acids of Gamma Irradiated Yellowfin Tuna (*Thunnus albacares*). Proceedings of the 6th Young Scientists Forum Syposium of National Science & Technology Commission, Peradeniya, Sri Lanka. Pp 135-139. 20th January.
22. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2016). Impacts of gamma irradiation on microbial and chemical quality of tilapia (*Oreochrommis sp.*) fish fillets. Proceedings of 72nd Annual scientific sessions of Sri Lanka Association for the Advancement of Science (SLAAS), Colombo, Sri Lanka. p 100, 5- 9 December.
23. Surendra, I.H.W., **Edirisinghe, E.M.R.K.B.** and Rathnayake, R.M.N.P. (2016). Comparative study on the effect of gamma irradiation on the quality of tilapia and tuna fish fillets. Proceedings of the 3rd International Conference on Multidisciplinary Approaches, Sri Lanka. p 108. 12-14 October.
24. Kulathilaka, K.K.R.H., **Edirisinghe, E.M.R.K.B. and** Jinadasa, B.K.K.K. (2016). Determination of Cadmium, Arsenic and Total Hardness of Drinking Water in Selected Locations of Anuradhapura and Polonnaruwa Districts. Proceedings of the Wayamba University International Conference (WIN C 2016), Sri Lanka. p 167. 19-20th August.
25. Siriwardana, N.S., **Edirisinghe, E.M.R.K.B. and** Jinadasa, B.K.K.K. (2016). Determination of Total Cadmium and Arsenic levels of selected cereal varieties from North Central Province of Sri Lanka. Proceedings of the Wayamba University International Conference (WIN C 2016), Sri Lanka. p 182. 19-20th August.
26. **Edirisinghe. E.M.R.K.B.** and Abeysinghe, R.M.S.M. (2016). Fatty Acid Composition of Several Seaweeds of Sri Lanka. Proceedings of the 3rd International Research Symposium of Rajarata University of Sri Lanka, pp 214-221. 26- 27th Jan.
27. **Edirisinghe. E.M.R.K.B** and Herath, H.M.S.N. (2016). Determination of Fatty Acids Composition of Some Cooking Oils in Sri Lanka. 3rd International Research Symposium of Rajarata University of Sri Lanka, p222-228, 26- 27th Jan.
28. **Edirisinghe, E.M.R.K.B.** and Jinadasa, B.K.K.K. (2015). A comparative Study of Cadmium and Arsenic Levels of Seaweeds from Sri Lanka. 13th International Conference on the BioGeochemistry of Trace Elements, Fukuoka, Japan. p 138. 12-16th July.
29. De Zoysa, H.K.S., Jinadasa B.K.K.K., Jayasinghe, G.D.T.M. and **Edirisinghe, E.M.R.K.B.** (2015). Proximate Analysis and Fatty acids Profile of Edible Sea Urchin

- (*Stomopneustes variolaris*) in Selected Area of Sri Lanka. Proceedings of the Scientific Sessions of the National Aquatic Resources Research & Development Agency (NARA), Colombo, Sri Lanka, pp 101-104, 09th June.
30. Fernando, H.K.D.H., Weerasinghe, C.J.S. and **Edirisinghe, E.M.R.K.B.** (2015). Fatty Acid Composition of Some Freshwater Fish species of Sri Lanka. Proceedings of the Scientific Sessions of the National Aquatic Resources Research & Development Agency (NARA), Colombo, Sri Lanka, p 105-110, 09th June.
 31. Surendra, I.H.W., Ginigaddarage, P., Jinadasa. B.K.K.K., Ariyawansa, K.W.S. and **Edirisinghe, E.M.R.K.B.** (2015). A Comparative Study On Quality Of Imported Dried Fish Varieties in Sri Lanka. Proceedings of the Scientific Sessions of the National Aquatic Resources Research & Development Agency (NARA), Colombo, Sri Lanka, pp 119-122. 09th June.
 32. **Edirisinghe, E.M.R.K.B.**, Surendra, I.H.W. and Weerasinghe, C.J.S. (2015). Comparative Study on the Determination of Quality of Traditional Fish Product ‘Ambulthiyal’ prepared by Tilapia and Yellowfin Tuna. Proceedings of the International Journal of Food Science and Technology Conference (IJFST) 50th Celebration Conference. Lincoln, New Zealand, 17 – 19th Feb.
 33. De Zoysa, H.K.S., Jinadasa B.K.K.K. and **Edirisinghe, E.M.R.K.B.** (2015). Fatty acids and Trace metals composition of *Stomopneustes variolaris* (Class: Echinoidea) in Sri Lanka. Proceedings of the International Journal of Food Science and Technology Conference (IJFST) 50th Celebration Conference. Lincoln, New Zealand, 17 – 19th Feb.
 34. **Edirisinghe, E.M.R.K.B.**, Jinadasa, B.K.K.K., Weerasinghe, C.J.S., Fonseka, H.Y.Y., Sooriyaarachchi, P.M.D.G. and Chaturika, A.M.T. (2014). Cadmium and Arsenic Levels in Aquatic Plants from North Central Province of Sri Lanka. World Biodiversity Congress 2014, Colombo, Sri Lanka. 24-27th Nov.
 35. Weerasinghe, C.J.S., Fonseka, H.Y.Y., **Edirisinghe, E.M.R.K.B.** and B.K.K.K. Jinadasa (2014). Cadmium Contamination Levels of Rice Grown in North Central Province, Sri Lanka. 2nd International Research Symposium of Rajarata University of Sri Lanka, pp 48-50. 29- 30th Oct.
 36. Fonseka, H.Y.Y., Weerasinghe, C.J.S., **Edirisinghe, E.M.R.K.B.** and B.K.K.K. Jinadasa (2014). Determination of Cadmium Levels of Water and Fish from Selected Areas of Anuradapura District. 2nd International Research Symposium of Rajarata University of Sri Lanka, pp 469-473. 29- 30th Oct.
 37. Surendra, I.H.W. and **Edirisinghe, E.M.R.K.B.** (2014). Determination of antioxidant activity of some seaweeds commonly available in Sri Lanka. Proceedings of the 20th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), Colombo, Sri Lanka, 22nd May.
 38. Ahmad, S.B.N., **Edirisinghe, E.M.R.K.B.**, Ginigaddarage, P., Rajasooriya, A. and de Silva, E. D. (2012). Studies on the biomedical activities of some marine sponges in Sri Lanka. Proceedings of the Scientific Sessions of the National Aquatic Resources Research & Development Agency (NARA), Colombo, Sri Lanka, 04th December.
 39. Ahmad. S.B.N, Jinadasa.B,K.K. and **Edirisinghe, E.M.R.K.B.** (2012). The nutritional composition and fatty acid profile of Sea Bass (*Lates calcarifer*) in Sri Lanka. Proceedings of the Scientific Sessions of the National Aquatic Resources Research & Development Agency (NARA), Colombo, Sri Lanka. 04th December.
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41. Jinadasa, B.K.K.K., **Edirisinghe, E.M.R.K.B.** and Wickramasinghe, I.W. (2012). Assessment of Trace Metals Levels of Main Export Fish Species; Sri Lanka. International Conference on Chemical Sciences of the Institute of Chemistry, Ceylon (ICChem), Page 67, Colombo, Sri Lanka, 20-22 June.
42. Senarath, H.P.S., **Edirisinghe, E.M.R.K.B.** and De Silva, M.S.W. (2012). The effect of cooking process and incorporation of spices on the total lipid and n-3 LC-PUFA contents of herring (*Amblygaster sirm*). International Conference on Chemical Sciences of the Institute of Chemistry, Ceylon (ICChem), Colombo, Sri Lanka, 20-22 June, pp102-107.
43. Ahmad, S.B.N. **Edirisinghe, E.M.R.K.B.** and E. Dilip de Silva (2012). Screening for antibacterial, antifungal and antioxidant activities of some local marine sponges. Proceedings of the International Conference on Chemical Sciences (Institute of Chemistry), Colombo, Sri Lanka, 20-22, June.
44. Ahmad. S.B.N, Jinadasa.B,K.K. and **Edirisinghe, E.M.R.K.B.** (2012) Fatty acid compositions in some local sea cucumber species in Sri Lanka. Proceedings of the 18th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), Colombo, Sri Lanka, 17-18 May.
45. Jinadasa, B.K.K.K, **Edirisinghe, E.M.R.K.B.** and Ahmed. S.B.N. (2012). Observations on trace metal concentrations in Yellowfin Tuna (*Thunnus albacores*) and Sword fish (*Xiphias gladius*) of Sri Lanka. Proceedings of the 18th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), 17-18 May.
46. Senarath, H.P.S., **Edirisinghe, E.M.R.K.B.** and De Silva, M.S.W. (2010). Total Phenolic content and Antioxidant activity of spices used in Sri Lanka. Proceedings of the 66th Annual Scientific Sessions of the Sri Lanka Association for Advancement of Science (SLAAS), Colombo Sri Lanka. 08th December.
47. Jinadasa, B.K.K.K, Samanthi. R.I., **Edirisinghe, E.M.R.K.B.** and Karunaratna, T.A.D.W. (2010). Nutritional Value of Some Selected Seacucumber Species in Sri Lanka. Proceedings of the 3rd International Symposium of Sabaragamuwa University of Sri Lanka.. p 190. Belihuloya, Sri Lanka. 26-28 Aug.
48. Senarath, H.P.S., **Edirisinghe, E.M.R.K.B.** and De Silva, M.S.W. (2010). Effect of spices on oxidative stability and fatty acid composition in cooked Herring (*Clupea harengus*). Chemistry in Sri Lanka, The Tri – annual publication of the institute of Chemistry Ceylon, Vol 27, No. 2, p. 13.
49. Senarath, H.P.S., **Edirisinghe, E.M.R.K.B.** and De Silva, M.S.W. (2009). Retardation of lipid oxidation in cooked Herring (*Clupea harengus*) using selected spices. Proceedings of the 15th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), p 28. Colombo Sri Lanka. 19th June.
50. Jayawardene, A.S.D.P.T. K., **Edirisinghe, E.M.R.K.B.**, Ahmad, S.B.N and Sundarbarathi, T.V. (2009). Nutritional Composition of Some Selective Aquatic Plants. Proceedings of the 15th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), p 29. Colombo Sri Lanka. 19th June.
51. Karunarathne, T.A.D.W., **Edirisinghe, E.M.R.K.B.**, Jinadasa, B.K.K.K. and Sundarabarathi, T.V. (2009). Effect of Processing on the Chemical Composition of Holothurians available in Sri Lanka. Proceedings of the 15th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), p 30. Colombo Sri Lanka. 19th June.
52. Kanthilal, P.D.N, Warnakula, D.S.P., **Edirisinghe, E.M.R.K.B.** and Jayasinghe, C.V.L. (2008). Evaluation of Bacterial, Chemical and Sensory Properties of Fresh fish Stored in Chilled Sea Water (CSW). Proceedings of the 14th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), p 17. Colombo Sri Lanka. 09th June.
53. Nanthaprakash, S.1., Wanninayake, W.M.T.B. and **Edirisinghe, E.M.R.K.B.** (2007). Elimination of *Escherichia coli* (*E-coli*) and *Salmonella* species from the flesh of *Meretrix casta*, by the depuration. Proceedings of the 13th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), Colombo, Sri Lanka.28th June 2007.
54. **Edirisinghe, E.M.R.K.B.**, Kariyawasam, M.I.G.U. and. Sureshkumar. N. (2007). Investigation of Surface Water Quality of Karaganlewaya, Hambantota aftermaths of Tsunami. Proceedings of the

25th Anniversary Scientific International Conference of NARA on Tropical Aquatic Research Towards Sustainable Development, 15 – 16th Feb.

55. **Edirisinghe, E.M.R.K.B.**, Kariyawasam, M.G.I.U. and Rajasuriya, A. (2007). A Preliminary Study on the Antibacterial Activity of Marine Sponges from East Coast of Sri Lanka. Proceedings of the 25th Anniversary International Scientific Conference of NARA on Tropical Aquatic Research Towards Sustainable Development, 15 – 16th Feb.
56. Kariyawasam. M.G.I.U., Jinadasa. B.K.K.K., **Edirisinghe, E.M.R.K.B.** and Sureshkumara. N. (2007). Ice and water sources used for commercial ice production: quality and its suitability to be used on fish. Proceedings of the 25th Anniversary International Scientific Conference of NARA on Tropical Aquatic Research Towards Sustainable Development, 15 – 16th Feb.
57. Anas, M.U.M., Jayasinghe, J.M.P.K. and **Edirisinghe, E.M.R.K.B.** (2006). Lipid Composition and Fatty Acid Profiles of Wild Caught and Fatten mud crab, *Schylla serratta*, in Sri Lanka. Proceedings of the 12th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), Colombo Sri Lanka 10th July.
58. **Edirisinghe, E.M.R.K.B.** (2005). Contamination Problems in Aquaculture Products-Chemotherapeutic Drugs. Proceedings of the International Workshop on Fisheries and Aquatic Research, Colombo, Sri Lanka, p 14, 29 – 31st March.
59. **Edirisinghe, E.M.R.K.B.**, Graffham, A.J., Taylor. S. and Jayasinghe, J.M.P.K. (2002). Quality Evaluation of Yellowfin Tuna (*Thunnus Albacares*) using Gas Sensor Technology and PC Analysis. Proceedings of the 9th International Symposium on Olfaction and Electronic Nose (ISOEN 2002), p 215, Rome, Italy, 29th Sept – 02nd Oct.
60. **Edirisinghe, E.M.R.K.B.** and Graffham. V.K. (2001). Rancidity Development and Spoilage of White Sardinella (*Sardinella albella*) Fish During Storage. Proceedings of the 24th World Congress and Exhibition of the International Society for Fat Research (ISF). p 57-58, Berlin, Germany. 16-20 September.
61. **Edirisinghe, E.M.R.K.B.** and Chandrika. J.M. (2001). Environmental and Feeding Impact of Fatty Acid Profiles in Cultured and Wild Shrimps From Sri Lankan Waters. Proceedings of the 24th World Congress and Exhibition of the International Society for Fat Research (ISF). p 19, Berlin, Germany. 16-20 September.
62. **Edirisinghe, E.M.R.K.B.**, Graffham, A.J., Taylor. S. And Jayasinghe, J.M.P.K. (2002). Potential Application of Gas Sensor Technology for the Determination of Freshness of Fish and Fishery Products. Proceedings of the 8th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), p 9. Colombo Sri Lanka. 04th July.
63. Fernando, W.K.A.R., **Edirisinghe, E.M.R.K.B.** and Jayasinghe, J.M.P.K. (2001). A Survey on the Effluent Quality of Fish and Shrimp Processing Industry in Sri Lanka. Proceedings of the 7th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR), p 19. Colombo Sri Lanka. 28th June.
64. De Croos, M.D.S.T., **Edirisinghe, E.M.R.K.B.**, De Silva, D.N. and Jayasinghe, J.M.P.K. (2001). Possible effects of the white spot syndrome on muscle lipid content and fatty acid profile of *Penaeus monodon*. Proceedings of the 7th Annual Scientific Sessions of the Sri Lanka Association for the Fisheries and Aquatic Resources (SLAFAR). p 9. Colombo, Sri Lanka. 28th June.
65. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. and Bamunuarachchi, A. (1999). Comparison of Different Extraction Methods Used for Large Scale Production of Fish Oils. Proceedings of the 2nd Research sessions of the faculty of graduate studies, University of Sri Jayawardenepura, p21, Sri Lanka. 23rd October.
66. **Edirisinghe, E.M.R.K.B.**, Jayasinghe, J.M.P.K. and Chandrika, J. M. (1999). Assessment of fatty acid profiles in cultured and wild shrimps. Proceedings of the 5th Annual scientific sessions of the Sri Lanka Association for the Fisheries & Aquatic Resources (SLAFAR), Colombo, Sri Lanka. 23–24 June.
67. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. and Bamunuarachchi, A. (1998). Antioxidation of fish oils by Indian Gooseberry (Nelli¹, *Phynanthus emblica*). Proceedings of the 54th annual scientific

- sessions of Sri Lanka Association for the Advancement of Science (SLAAS), p 310–311, Sri Lanka, 25 – 29 December.
68. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. and Bamunuarachchi, A.(1998). Evaluation of Fish oil Extraction Methods for Industrial Use, Proceedings of the 4th annual scientific sessions of the Sri Lanka Association for the Fisheries & Aquatic Resources (SLAFAR), Colombo, Sri Lanka. 24–25 June.
 69. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. and Bamunuarachchi, A.(1998). Effect of Indian Gooseberry (*Phynanthus emblica*) on Fish Oil Antioxidation. Proceedings of the 26th Asia Pacific Fishery Commission (APFIC) symposium on fish utilization, p 163-171, Beijing, China, 24–26th September.
 70. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. and Bamunuarachchi, A.(1998). Seasonal Changes of Lipid content and Fatty acid Composition of White Sardinella (*Sardinella albella*) and Malabar Thryssa (*Thryssa malabarica*). Proceedings of the 26th Asia Pacific Fishery Commission (APFIC) symposium on fish utilization, Beijing, China, 24 – 26 September.
 71. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. and Bamunuarachchi, A.(1998). Fatty acid Composition of Some Small Pelagic Fishes in Sri Lanka. Proceedings of the 26th Asia Pacific Fishery Commission (APFIC) symposium on fish utilization, p 172-181, Beijing, China, 24 – 26 September.
 72. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. and Bamunuarachchi, A. (1998). Seasonal Variation of Fatty acid Composition of White sardinella (Sudaya, *Sardinella albella*), Proceedings of the 1st Research sessions of the faculty of graduate studies, University of Sri Jayawardenepura, p 183-191, 27th March.
 73. **Edirisinghe, E.M.R.K.B.**, Hettiarachchi, K., Perera, W.M.K. & Bamunuarachchi, A. (1997). Fatty acid composition of some low value marine fish species available in Sri Lanka - Proceedings of 52nd Annual scientific sessions of Sri Lanka Association for the Advancement of Science (SLAAS), p 348, Sri Lanka, 08 – 12 December.
 74. **Edirisinghe, E.M.R.K.B.**, Perera, W.M.K. & Jayaweera, V. (1997). Composition, seasonality and stability issue of fish oils in small pelagics – Proceedings of the 2nd International seminar on the Utilization of Fish and fish waste to extract oil for Food and Feed purpose, Ilo Ilo, Philippines, 22-26th September.
 75. **Edirisinghe, E.M.R.K.B.**, Samaranayake, C.P, Banunuarachchi, A., Walpala, S. and Alwis, A.A.P. (1997). Nutrient Retention in Ohmic Heating - 7th International Congress on Engineering and Food, Brighton, UK, (Supplement), Ed. Ronald Jowitt, p SA43 – SA46, Sheffield Academic Press, UK.
 76. **Edirisinghe, E.M.R.K.B.**, Banunuarachchi, A. and Alwis A.A.P. (1996). Ohmic heating- The process impact on Nutrients.– Proceedings of 52nd Annual scientific sessions of Sri Lanka Association for the Advancement of Science (SLAAS), p 214 , Sri Lanka, 25 – 29 November.
 77. **Edirisinghe, E.M.R.K.B.**, Banunuarachchi, A. and Alwis A.A.P. (1996). Studies on some process parameters of Ohmic heating. – Proceedings of 52nd Annual scientific sessions of Sri Lanka Association for the Advancement of Science (SLAAS), p 213, Sri Lanka, 25 – 29 November.
 78. **Edirisinghe, E.M.R.K.B.**, Banunuarachchi, A., Jayaweera, V. and Samaradiwakara, R. (1996). Studies on the Effect of some Plant Component Extracts on the Preservation of Fish Oils.- FAO Fisheries Technical Report No. 563, 199 – 205, FAO, Rome.
 79. **Edirisinghe, E.M.R.K.B.**, Banunuarachchi, A., Jayaweera, V. and Samaradiwakara, R. (1996). Further Studies on the Effect of Indian Gooseberry (*Phynanthus emblica*) Extracts on the Preservation of Fish Oils. - FAO Fisheries Technical Report No. 563, 189 – 198, FAO, Rome.
 80. Shantha, W., Alwis, A.A.P. and **Edirisinghe, E.M.R.K.B.** (1995). Ohmic heating for tropical food processing – Proceedings of the Seminar on Industrial related research, University of Moratuwa, Sri Lanka, 10th March.
 81. **Edirisinghe, E.M.R.K.B.**, A. and Jayaweera, V. (1994). Proximate composition and some preliminary studies on small pelagic fish lipids in Sri Lanka – Proceedings of the International

Seminar on the Utilization of Fish and fish waste to extract oil for Food and Feed purpose, Hat-Yai, Thailand, 22- 26 November.

12. Service in the committees of National and International Interest

2. **Editor-in-Chief**, Scientific Journal of National Aquatic Resources Research & Development Agency (NARA) 2009, 2010
3. **Member of the Editorial Board**, Scientific Journal of National Aquatic Resources Research & Development Agency (NARA) 2013 -
4. **Reviewer** – International Journal of Food Science & Technology (Wiley & Sons), Journal of the National Science Foundation (Sri Lanka), Journal of Aquatic Sciences (Sri Lanka)
5. **Examiner of PhD and MSc Programs**, Uni of Sri Jayawardenepura, University of Colombo, University of Peradeniya.
6. **Chief Organizer** –25th Anniversary Scientific International Conference of NARA on Tropical Aquatic Research Towards Sustainable Development, 15 – 16th Feb.
7. Member of the Advisory council for the Post Harvest Technology of the **Council for the Agriculture Research Policy (CARP)**, Sri Lanka. 2005 -2011.
8. Member of the Advisory council for the **Seafood Sector** of the **Export Development Board (EDB)**, Sri Lanka.
9. **A committee member of Sri Lanka New Inventors Commission** to evaluate Grant proposals of the new inventor of Sri Lanka 2007-2008
10. **Panel Member** – International Conference of the Rajarata University of Sri Lanka. 2013.
11. **Research grant Evaluator**: National Science Foundation, National Research Council

13. International Training programs, seminars and workshops attended.

1. International Seminar on “Utilization of Fish and fish waste to extract oil for Food and Feed purpose” , Organized by FAO and EEC, Hat-Yai, Thailand, 22nd – 26th November 1994.
2. 10th Session of Asia Pacific Fishery Commission (APFIC) working party meeting on Fish Technology and Marketing, Organized by FAO and NARA, Colombo, Sri Lanka, , 4th -7th June 1996.
3. International Workshop on “Scientific Data Presentation and Publication”, Organised by SIDA and SARREC, University of Ruhuna, Matara, Sri Lanka, 9th - 13th December 1996.
4. International Seminar on “Utilization of Fish and fish waste to extract oil for Food and Feed purpose, Organized by FAO and EEC, Ilo Ilo, Philippines, 22nd – 26th September 1997.
5. Workshop on “Verification and Auditing of HACCP Systems”, Organised by EDB, FAO, DANIDA and INFOFISH, Colombo, Sri Lanka, 28th – 31st July 1998.
6. 26th Asia Pacific Fishery Commission (APFIC) Symposium on Fish Utilization, Organised by FAO, Beijing, China , 24th – 26th September 1998.
7. Statistical training program on "Discriminant Analysis and Class Modelling of Spectroscopic Data" at the Institute of Food Research (IFR), The University of East Anglia, Norwich, UK from 26th - 30th March 2001.
8. 4th biennial European conferences on fish processing at the university of Lincolnshire and Humberside, Lincoln, UK 3rd -5th July 2001
9. European conferences on tractability systems in fish industry at Grimsby, UK, 6th July 2001.

10. 9th International Symposium on Olfaction and Electronic Nose (ISOEN 2002), Rome, Italy, 29th September – 02nd October, 2002. (Funded by NSF, Sri Lanka)
11. Training program on “Seafood Safety Management”, SEAFDEC, Singapore, 27th September - 15th October 2004
12. International Workshop on “Molecular Techniques in Aquaculture & Seafood Safety” College of Fisheries, Mangalore, India, 13th – 17th February 2006.
13. Training workshop on “Training of Managers in Quality and Safety Management in Fishery Harbours in Sri Lanka, United Nations University – Fisheries Training Program (UNU-FTP), Reykjavik, Iceland 26th June - 07th July 2006
14. Training workshop on “Improvement of Technical and Training Capacities of NARA & NAQDA, and initiating 4 years action Plan: Application of PCR and Chemical analysis techniques, National Association of fish & Shellfish Canned Manufactures of Spain (ANFACO), Vigo, Spain, 23rd April – 07th May 2007.
15. Training workshop on HPLC techniques, Shimadzu Asia Pacific (Pvt) Ltd, Singapore 16-17th June 2008.
16. Exposure Visit of Sri Lankan Fisheries Officials in Central Institute of Fish Technology (CIFT), Kochin, India, 10-17 Oct 2010.
17. Waters Executive Technology Forum. Bangalore, India 20th – 26th October 2013.
18. Training workshop on Application of GC-MS, Singapore. 18-21st July 2017.
19. Training workshop on Application of HPLC, Singapore. 10-13th Oct 2017.

14. Supervision of Undergraduate and Postgraduate Research Projects

Undergraduate research supervision

1. Antioxidative Components of the Fruit of Indian Gooseberry. (M.K. Fathima Nadeesha, University of Sri Jayawardenepura, BSc. Sp-Chemistry, 2000)
2. Influence of white spot disease on lipid content and fatty acid profile of *Peneus monodon* (M.D.S. T. de Croos, University of Colombo, B.Sc.-Special, 2000)
3. Effluent quality of processing plants. (Anton Fernando, University of Sri Jayawardanapura, M Sc. 2001)
4. Uses and Residual Levels of Veterinary Drugs in Aquaculture Food Products. (R.R.M.M.A.K. Kumararathne, University of Wayamba, B.Sc.-Special, 2005)
5. Analysis of Histamine in Unpacked and Bottled Form Maldive Fish Processed in Various Parts of Sri Lanka. (E.C. Kirubairajah, University of Wayamba, B.Sc. –Special, 2005)
6. Lipid Composition and Fatty Acid Profiles of Wild Caught and Fatten mud crab, *Schylla serratta*, in Sri Lanka (M.U.M.Anas, University of Wayamba, B.Sc.-Special, 2006)
7. Criteria Used to Evaluate Quality of Tuna Fish by Consumers and Middlemen in Southern Coastal Belt (A.M.A.U.K. Abeykoon, University of Rajarata, B.Sc.-Agriculture, 2006)
8. Elimination of Escherichia coli (E-coli) and Salmonella species from the flesh of Meretrix casta, by depuration. (S. Nanthaprakash, University of Wayamba, B.Sc. –Special, 2006)
9. Prolong the shelf life of fresh fish using chilled seawater -Microbiological prospects. (P.D.N. Kanthilal, University of Wayamba, B.Sc.-Sp, 2007)
10. Study the chemical changes in fresh fish stored in chilled seawater. (D.S.P. Warnakula, University of Wayamba, B.Sc. –Sp, 2007)

11. Total rates of oxidation of selected fatty acids. (D. Bopitiya, University of Wayamba, B.Sc. – Special, 2008)
12. Investigation of Histamine Content of Yellowfin Tuna in Short-Stay Fishing Boats. (P.H. Ginigaddarage, University of Sri Jayawardenepura, MSc, 2008)
13. Nutritional Composition of Some Selective Aquatic Plants (A.S.D.P.T. K. Jayawardene, Rajarata University of Sri Lanka, B.Sc.- Special, 2009)
14. Nutritional Value of Sea cucumbers available in Sri Lanka. (T.A.D.W. Karunaratne, Rajarata University of Sri Lanka, B.Sc. – Special, 2009)
15. Cadmium levels in selected fish and water sources of anuradapura district (H. Y. Y.Fonseka, Rajarata University of Sri Lanka, BSc Joint Major, 2013)
16. Cadmium contamination levels of rice grown in north central province, Sri Lanka. (C.J.S.Weerasinghe, Rajarata University of Sri Lanka, BSc Joint Major, 2013)
17. Determination of heavy metal levels of lotus. (P.M.D.G.Sooriyaarachchi, Rajarata University of Sri Lanka, BSc, 2013)
18. Determination of antioxidant activity of some seaweeds commonly available in Sri Lanka. (I.H.W.Surendra, B.Sc., 2013).
19. A comparative study on quality of imported dried fish varieties in Sri Lanka. (I.H.W.Surendra, B.Sc Hons, 2014).
20. Nutritional Composition and Trace metals accumulation of edible sea urchin (*Stomopneustes variolaris*) in selected areas of Sri Lanka. (H K S de Zoysa, B.Sc.Hons, 2014).
21. Identifying fatty acid composition of several seaweeds in Sri Lanka. (R.M.S.M. Abeysinghe, B.Sc., 2015).
22. Determination of fatty acids composition of commonly available cooking oils (H.M.S.N. Herath, BSc, 2015).
23. Determination of Total Cadmium and Arsenic Levels of Selected Cereal Varieties from North Central Province, Sri Lanka (N.S Siriwardana, BSc, 2015).
24. Determination of cadmium and arsenic concentration and total hardness of drinking water in selected places of anuradhapura and polonnaruwa districts. (K.K.R.H. Kulathilaka, BSc, 2015).
25. Determination of antimicrobial activity of selected marine sponges found in Sri Lanka. (M.K.G.B.Dilrukshi, BSc Hons, 2015)
26. Assessment of biochemical properties of selected marine sponges of Sri Lanka. (E.M.N.S. Senarathne, BSc Hons (Chem, 2017).
27. Determination of oxidation and formation of trans fatty acids of edible oils and fats in Sri Lanka (S.M.N.D.Siriwardana, BSc Hons (Chem, 2017)
28. Effects of Gamma Irradiation on Antioxidants and Fatty Acids of Traditional Rice Varieties of Sri Lanka. (M.P. Udaya Kumara, BSc Joint Major, 2017)
29. Assessment of nonpolar pesticide residue in rice of the selected pradeshiya sabahas in Anuradhapura district by LC- MS/MS using quenchers technique. (G.H.S.D.Jayasekara, BSc Hons (Chem), 2018)
30. Effect of gamma irradiation on fatty acid composition, oxidative rancidity and hydrolytic rancidity in commercially available edible oils in Sri Lanka (E.M.R.M. Ekanayaka, BSc Hons (Chem) 2018)

Postgraduate research supervision

1. Histamine concentration of Fish & Fishery products (S. Sashikala, University of Kelaniya, M Sc. 2000).

2. Effluent quality of shrimp processing plants. (Anton Fernando, University of Sri Jayawardanapura, M Sc. 2001)
3. Investigation of Histamine Content of Yellowfin Tuna in Short-Stay Fishing Boats. (P.H. Ginigaddarage, University of Sri Jayawardenepura, MSc, 2008)
4. Variation of Histamine Development in Different Body Locations of Yellowfin Tuna (*Thunnus albacares*) Stored at 0°C. (G.R.C Hewawasam, University of Sri Jayawardenepura, M.Sc, 2009)
5. Assessment of heavy metals Levels of main export Fish Species, Sri Lanka. (B.K.K.K. Jinadasa University of Sri Jayawardenepura, M.Sc, 2010)
6. Study on Control of Post Harvest Shrimp Melenosis by use of Metabisulfite. (K.G.T.S.K. Jayawardana, University of Sri Jayawardenepura, MSc, 2010)
7. Antioxidant Capacity of Spices in Retarding Oxidation of Lipids During Storage of Cooked Herring (H.P.S. Senarath, University of Peradeniya, M.Phil, 2012)
8. Antimicrobial and Antioxident activities of some selected Sri Lankan Marine Sponges (S.B.N. Ahmad, University of Colombo, MSc, December 2013)
9. Impact of Gamma irradiation on Chemical and Microbiological Quality of Yellowfin Tuna (*Thunnus albacares*) and Tilapia (*Oreochromis sp.*) during Storage in Ice (A.I.H.W. Surendra, M.Phil, Rajarata University of Sri Lanka, 2018).
10. Effects of feeding habits and habitats on Fatty acid profiles of *Ehirava fluviatilis* (Malabar Sprat) in Sri Lanka. (H.K.S. De Zoysa, M.Phil, Rajarata University of Sri Lanka, 2019).

15. Memberships of learned / Professional societies

- i. Institute of Chemistry, Sri Lanka.
- ii. Sri Lanka Association for the Advancement of Science (SALAAS).
- iii. Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)
- iv. Member of the Professional Association of Diving Instructors (PADI)

16. Referees

1. **Dr. B.A. Karunarathna**
The Vice Chancellor
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2. **Dr. Andrew Graffham**
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3. **Dr. Palitha Kithsiri**
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Particulars given in this CV are true and correct to the best of my knowledge.

Dr. Ranjith Edirisinghe