

CURRICULM VITAE

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h Index: 05

i10 index: 02

Citations: 147

Personal Profile

Full Name: Hewa Bandulage Asanthi

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Residence: Universal terrace, Janaraja Mawatha, Kumbalgama, Matara

Office: Department of Limnology and Water Technology, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, Matara, Sri Lanka

Date of Birth: 07th December 1969

Civil Status: Married

Nationality: Sri Lankan

Educational qualifications

- PhD in Ecotoxicology from University of Montpellier 1, France (2006), The thesis titled on `Study of metal accumulation and fish community structures in selected aquatic ecosystems from coastal lagoons in Sri Lanka`.
- BScHons in Zoology from University of Ruhuna, Sri Lanka (1997)

Publications

Abstracts (local & international)

C. Nandasena, **H.B. Asanthi** and P.R.T. Cumararatunga (2004). Investigation on bioaccumulation of heavy metals in *Pseudarius jella* (Munro, 1951) (Cypriniformes, Trachysuridae) small-eyed catfish in Koggala lagoon, Sri Lanka. Proceedings of 60th annual session of Sri Lanka Association of Advancement of Science (SLASS)

H.B. Asanthi and P.R.T. Cumararatunga (2005). Seasonal variation in the diversity of fish in brush parks of Negombo lagoon, Sri Lanka, Proceedings of the 11th annual session of Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)

H. B. Asanthi and P.R.T. Cumararatunga (2006). Effects of the tsunami on metal concentrations in water and sediments of Rekawa lagoon, Proceedings of 62nd annual session of Sri Lanka Association of Advancement of Science (SLASS)

Jagath W. Rupasinghe and **H.B. Asanthi** (2007). Socio-economic status of Brush Park fishing communities in Negombo Estuary and Rekawa Lagoon in Sri Lanka, Proceedings of the 25th Anniversary Scientific Conference of NARA on Tropical Aquatic Research Towards Sustainable Development

H.L.K. Sanjaya, **H.B. Asanthi** and U.A.D. Jayasinghe (2011). The effects of agricultural runoff on benthic macro invertebrate diversity in a stream ecosystem at Deniyaya, Matata, Proceedings of the international symposium on Agriculture and Environment, Faculty of Agriculture, University of Ruhuna, Sri Lanka

K.H.H. Niroshana, **H.B. Asanthi** and P.B.T.P. Kumara (2012). An assessment of water quality and pollution in Puranawella Fishery harbor in Dondra, Sri Lanka, Abstracts of 9th Academic sessions university of Ruhuna, Sri Lanka

T.G.I.P. Amaranayaka, **H.B. Asanthi** and R.G.A. Iroshini (2012). Potential of a sea grass *Thalassia hemperichii* as a biofilter for selected heavy metals (Cu, Pb) in coastal environment, Abstracts of 9th Academic sessions university of Ruhuna, Sri Lanka

K.A.D.A.T. Harischandra, P.B.T.P. Kumara and **H.B. Asanthi** (2012). Comparison of sea grass distribution pattern in three coastal sites, Dondra, Polhena and Weligama of southern Sri Lanka, Abstracts of 9th Academic Sessions university of Ruhuna, Sri Lanka

R.M.C.R.P. Bandara, R.A.Maitreepala, P.T. Kiride Arachige and **H.B. Asanthi** (2012). Seasonal variation of Manganese species in Muruthewela reservoir: A drinking water resource in Hambantota, Proceedings of international symposium on Water quality and human health: Challenges Ahead, 22-23 March, PGIS, Peradeniya, Sri Lanka

Asanthi H.B., Silva H.C.C, Sanjaya H.L.K., Deepanada K.H.M.A., Gamage T.P.D. Weerakoon D.E.M, Udayantha H.M.V. and Lanerolle W.U.I (2012). Zooplankton diversity and physico-chemical characteristics in Udawalawe reservoir: a preliminary study of the seasonal dynamics of zooplankton, Proceedings of the 18th annual session of Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR) 17th and 18th May

K. Gunalan, **H.B. Asanthi**, T.P.D. Gamage, M. Thyshyanhy, and S. Saravanan (2013). Geochemical variations of groundwater quality in coastal and Karstic aquifers in Jaffna Peninsula, Sri Lanka, Proceedings of the International Humboldt Kolleg on Management

of Water, Energy and Bio-resources in Changing Climate Regime: Emerging Issues and Environmental Challenges, 8-9 February, Jawaharlal Nehru University, New Delhi, India.

H.L.K. Sanjaya, **H.B. Asanthi** and U.A.D. Jayasinghe (2013). Macrobenthos Diversity in a Headwater Stream Affected by Tea and Paddy Agricultural Runoff, Sri Lanka, Proceedings of the International Humboldt Kolleg on Management of Water, Energy and Bio-resources in Changing Climate Regime: Emerging Issues and Environmental Challenges, 8-9 February, Jawaharlal Nehru University, New Delhi, India.

Aththanayaka W.K.A.M.T.S., **Asanthi H.B.**, and Maithreepala R. A. (2013). Assessment of the effects of hospital wastes release to Nilwala river, Matara on the river water quality, Abstracts of 10th Academic sessions university of Ruhuna, Sri Lanka, 20th March 2013.

Aththanayaka W.K.A.M.T.S., **Asanthi H.B.**, and Maithreepala R. A. (2013). Effects of hospital wastewater on plankton diversity and microbial density in Nilwala river, Matara. Proceedings of 69th annual sessions of Sri Lanka Association of Advancement of Science (SLASS), 02 –06 December, 2013.

H.C.C. De Silva, R.A. Maithreepala, **H.B. Asanthi** and T. Priyadarshana (2014). Vertical Variation of Primary Productivity and Phytoplankton Density in Muruthawela Reservoir in Sri Lanka. Book of Abstracts of SLCARP International Agricultural Research Symposium 2014, Sri Lanka Council for Agricultural Research Policy, 11–12 August, Colombo, Sri Lanka.

H.S.A.D. Perera, **H.B. Asanthi** and P.M.C.S. De Silva (2014). Assessment of Exposure Levels of Drinking water Contaminants in Ground water Sources in Hambantota District, Sri Lanka. Symposium Proceedings, Third International Symposium on Water Quality and Human Health: Challenges Ahead, 27 & 28 June. PGIS, Peradeniya, Sri Lanka

H.C.C. De Silva, R.A. Maithreepala, **H.B. Asanthi** and T. Priyadarshana (2014). Diurnal Vertical Distribution of Zooplankton with Variations of Basic Physico Chemical Parameters in Muruthawela Reservoir. In Abstracts of the 11th Academic Sessions of University of Ruhuna, ISSN 2362–0412, edited by M.K. Wanniarachchige pg 93, University of Ruhuna, Matara.

Pandula T . Kirinde Arachchige, R A. Maithreepala, and **H.B. Asanthi** (2015). A Greener Method for Reduction of COD and Zinc Level in Textile Effluents during Primary Treatment Process. Proceedings of the First International Symposium on Environmental Management and Planning, 23rd – 24th February 2015, Central Environmental Authority, Sri Lanka.

K.S.M. Abdul, H.A.S.D. Perera, **H.B. Asanthi**, P.G.M. Kalpani, M.A.G.D. Samanmali, W.P.N.S. Chandrapathama and P.M.C.S. De Silva (2015). Water quality analysis of chronic kidney disease of unknown etiology (CKDu) emerging locations (Warunagama and Rahathangama) in Moneragella District, Uva Province, Sri Lanka. Symposium proceedings, 4th International Symposium on Water Quality and Human Health:

Challenges Ahead, 1 & 2 August, PGIS Peradeniya, Sri Lanka, pg 53, ISBN 978-955-8787-06-9

V. Nayeem, R.A. Maithreepala and **H.B. Asanthi** (2015). Freefloating aquatic plants in modified constructed wetland systems for enhancing treatment efficiency in textile dye effluents. In Abstracts of the 12th Academic Sessions of university of Ruhuna, ISSN 2362-0412, edited by J.J. Garusing Arachchige, pg 75, University of Ruhuna, Matara.

T.P.D.S. Bandara, **H.B. Asanthi** and R.A. Maithreepala (2015). Determination of water quality and evaluation of the trophic state of Udukiriwila reservoir, Weeraketiya, Sri Lanka, Proceedings of International Conference on Dry Zone Agriculture, 15th & 16th October 2015, Faculty of Agriculture, University of Jaffna, Sri Lanka.

E.M.D.V. Eakanayake, W.A.K.G. Thakshila, K.M. Nishshanka, K.A.A.S. Senevirathne, H.A.S.D. Perera, T.D.K.S.C. Gunasekara, **H.B. Asanthi**, C. Jayasumana, E.P.S. Chandana, K.S. Mohammed Abdul, P. M .C. S. De Silva (2015). Occupational exposure levels of Glyphosate among vegetable farmers in Nuwara Eliya, Sri Lanka: A Enzyme -linked Immunosorbent Assay. Proceedings of the 20th International Forestry and Environment Symposium. Negombo, Sri Lanka.

K.S. Mohammed Abdul, C. Jayasumana, S.H. Siribaddana, S.S. Jayasinghe, **H.B. Asanthi**, G.G.T. Chaminda, E.P.S. Chandana, P. Mangala C.S. De Silva (2015). Urinary biomarkers KIM-1 and NGAL for early prediction of Chronic Interstitial Nephritis in Agricultural Communities in Lanka. Proceedings of the 2nd [Mesoamerican Nephropathy of unknown origin](#), pg 172-173, San José, Costa Rica.

L.N. Wijewardene, **H.B. Asanthi** and SW Rajapaksha (2016). An Assessment of water quality and trophic state in Sooriyawewa reservoir, southern province Sri Lanka. In Abstracts of the 13th Academic Sessions of University of Ruhuna, edited by N.P. Ranatunge, pg 31, University of Ruhuna, Matara.

Walisundara W.M.T.M., Jayasinghe A., and **Asanthi H.B.** (2016). Diel vertical distribution of zooplankton in a tropical reservoir on new moon and full moon days. Proceedings of the 21st International Forestry and Environment Symposium 2016, 23rd-24th September, Department of Forestry and Environmental Science, University of Sri Jayawardanapura, Sri Lanka, pg 24, ISSN 2235-9427

Weerakoon H. P. A. T, Atapaththu K.S.S. and **Asanthi H.B.** (2017). Stress responses and risk analysis of *Hydrilla verticellata* exposed to pesticide 2-methyl-4-chlorophenoxy acetic acid (MCPA). In Proceeding of the twenty third Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources, 26th may 2017; Auditorium of National Aquatic Resources Research Development Agency, Colombo 15, Sri Lanka.

W.M.Y.R. Bandaranayake, P.N. Ranasinghe and **H.B. Asanthi** (2017). Impacts of bats on speleothems formation in Wavulpane cave. In Abstracts of the 14th Academic Sessions of

University of Ruhuna, edited by G.G. Thushara Chaminda. Pg 25. University of Ruhuna, ISSN 2362-0412

Abeysooriya, M.D. Wijerama N.K., Fernando K.R., and **Asanthi H.B.** (2018). Lead pollution in road side dust in selected locations in Matara District. In Abstracts of the 5th international Science and Technology Conference, University of Ruhuna, pg 21. ISSN: 1391-8796.

W.A.S. S Chandratilaka, **H.B. Asanthi**, T.G. Dayananda and R.G. Gunasekera (2018). Influence of Stream characteristics on diversity and distribution of benthic algae in Gongawwa ela in Kottewa rainforest, Galle, Sri Lanka. In Abstracts of the 15th Academic sessions of University of Ruhuna, edited by P.R.T. Cumaratunga, pg 11, University of Ruhuna, Matara. ISSN 2362-0412

Chandrasiri K.S.U., Atapaththu K.S.S., **Asanthi H.B.**, Samaradivakara S., Hirumuthugoda N.Y. (2018). Influencing factors and mechanism for morphological alterations of *Aponogeton crispus* and their genetic comparison at the Dediya Gala Stream, Sri Lanka. In Abstracts of the proceedings of International Forestry and Environmental Symposium, University of Sri Jayawardanapura, Sri Lanka, 23,24 November 2018 (<http://journals.sjp.ac.lk/fesympo>), ISSN 2235-9427

Premarathne M.A.P.N., **Asanthi H.B.**, Atapaththu K.S.S. (2018). Phytoremediation for excess water hardness in drinking water: A causative factor for CKDu in Bandagiriya. In Abstracts of the proceedings of International Forestry and Environmental Symposium, University of Sri Jayawardanapura, Sri Lanka, 23,24 November 2018 (<http://journals.sjp.ac.lk/fesympo>), ISSN 2235-9427 (**Best presentation Award under the theme of Wastewater Management**)

Weerathna W.A.P.A.U, Gunasekara R.D.A, and **Asanthi H.B.** (2019). Assessment of water quality in Kattakaduwa reservoir in Southern Sri Lanka. Proceedings of 6th Ruhuna International Science & Technology Conference, University of Ruhuna, 30th January 2019, ISSN 1391-8796

Weerakoon H.P.A.T, Jayalath G.E.D, Atapaththu K.S.S and **Asanthi H.B.** (2019). Effects of 2-methyl-4-chlorophenoxyacetic acid (MCPA) on *Lemna valdiviana*. In Abstracts of the 16th Academic sessions of University of Ruhuna, edited by L.P. Jayatissa, pg 54, University of Ruhuna, Matara. ISSN 2362-0412 (**best poster presentation at the poster session**)

U.R.T.D. Anushanka and **H.B. Asanthi** (2019). Metal accumulation in selected biotic and abiotic components in Galle Harbour, Sri Lanka. Proceedings of the 25th Anniversary Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR), 19th August 2019

K.M.I.T. Kuruppu, **H.B. Asanthi** and H.L.K. Sanjaya (2019). Evaluation of trophic state of Kattakaduwa reservoir. Proceedings of the 25th Anniversary Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR), 19th August 2019

S.R. Warnasooriya, U.A.D. Jayasinghe, **H.B. Asanthi** and C. Ileperuma (2019). Green synthesis of Silver Nanoparticles using *Neolitsea cassia* leaf extract, and evaluation of their antibacterial activity against pathogens commonly found in polluted water. Proceedings of the 25th Anniversary Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR), 19th August 2019

Full papers in indexed journals

Deviller G., Palluel O., Aliaume C., **Asanthi H.**, Sanchez W., Franco Nava M.A., Blancheton J.P., Casellas C. (2005). Impact assessment of various rearing systems on fish health using multibiomarker response and metal accumulation. *Ecotoxicology and Environmental Safety*, 61, 89-97 (**citations: 77 on February 2021**)

H.M.T.C. Madushanka, **H.B. Asanthi** and R.A. Maithreepala (2014). The benthic macro-invertebrate diversity in relation to water quality of a stream habitat at Dediyaigala, Sri Lanka. *Sri Lanka Journal of Aquatic Sciences*, 19 (2014): 15–29, ISSN 1391– 2038, indexed in AGORA, SLJOL (**citations: 01 on February 2021**)

Pallagae Mangala C. S. De Silva, Khaja Shameem Mohammed Abdu, Eakanayake M. D. V. Eakanayake, Sudheera Sammanthi Jayasinghe, Channa Jayasumana, **Hewa Bandulage Asanthi**, Hettiarachigae S. D. Perera, Gamage G. Tushara Chaminda, Ediriweera P. S. Chandana, Sisira H. Siribaddana (2016). Urinary Biomarkers KIM-1 and NGAL for Detection of Chronic Kidney Disease of Uncertain Etiology (CKDu) among Agricultural Communities in Sri Lanka *PLoS Negl Trop Dis* 10(9): e0004979. doi:10.1371/journal.pntd.0004979, Editor: Joseph M. Vinetz, University of California San Diego School of Medicine, UNITED STATES (**Presidential Award in 2018 (citations: 37 on 2021 February)**)

Wijewardene, L.N., **Asanthi, H.B.** & Rajapaksha, S.W., (2017). Assessment of water quality and trophic state in Sooriyawewa reservoir in the Southern province of Sri Lanka. *Sri Lanka Journal of Aquatic Sciences*. 22(1), pp.9–19. DOI: <http://doi.org/10.4038/sljas.v22i1.7512>, E-ISSN: 2424-7057(**citations: 01 on 2020 February**)

Weerakoon, H.P.A.T., Atapaththu, K.S.S. & **Asanthi, H.B.** (2018). Toxicity Evaluation and Environmental Risk Assessment of 2-methyl-4-chlorophenoxy acidic acid (MCPA) on non-target aquatic macrophyte *Hydrilla verticillata*. *Environ Sci Pollution Research* (2018). <https://doi.org/10.1007/s11356-018-3013-z>, Publisher Springer Berlin Heidelberg, **Print ISSN** 0944-1344, Impact factor 2017: 2.8 (**citations: 05 on February 2021**)

Dhanushka Devendra, Lan-Lan Zhang, Xiang Su, **Asanthi Hewa Bandulage**, Vidusanka Thilakanayaka, Fu-Chang Zhong, Yi-Ping Yang, Rong Xiang (2020). Late Quaternary deep and surface water mass evolution in the northeastern Indian Ocean inferred from carbon and oxygen isotopes of benthic and planktonic foraminifera. *Palaeoworld* (2020), <https://doi.org/10.1016/j.palwor.2020.03.001>, Publisher Elsevier B.V. and Nanjing Institute of Geology and Palaeontology, CAS. www.elsevier.com/locate/palwor

Full papers in local refereed journals

K.H.H. Niroshana, **H.B. Asanthi** and P.B.T.P. Kumara (2013). An assessment of water quality and pollution in Puranawella Fishery Harbour, Dewinuwara, Sri Lanka. *J. Univ. Ruhuna*, March 2013 **1**(1) ISSN 2345-9387, 23 – 30 (**citations: 04, December, 2019**)

W. K. A. M. T. S. Aththanyaka, **H. B. Asanthi**, and R. A. Maithreepala (2014). An assessment of the effects of hospital wastes released to Nilwala river, Matara. *J. Univ. Ruhuna* December 2014 **2**: Volume 2, ISSN 2345-9387, 33-39 (**citations: 05, February, 2021**)

D.M.K.M. Dhanapala, **H.B. Asanthi**, M.H.J.P. Gunarathne (2015). Exposure Analysis of Drinking and Dietary Contaminants in a Selected Population, Padaviya, Anuradhapura. *International Journal of Multidisciplinary Studies (IJMS)*, Vol 2, Issue 1, 51 – 60, published by Faculty of Graduate Studies, University of Sri Jayawardanepura **39 (citations: 02, February, 2021)**

H. B. Asanthi, E. Gomez, C. Aliaume, G. Lasserre, P.R.T. Cumarantunga, C. Casellas (2017). Metals in fish from Sri Lankan coastal lagoons and human health risk *J.Univ.Ruhuna* 2017 **5**(1-2): 3-10, September 2017, ISSN 2345 - 9387 DOI: <http://doi.org/10.4038/jur.v5i1-2.7888>

T.D. Samudrika Sandaruwani, K.S.S. Atapaththu and **H.B. Asanthi** (2018). Distribution and abundance of aquatic macrophytes in a forested stream: Case study in Kottawa Forest Reserve. *J.Univ.Ruhuna* 2018 **6**(1):8-14 Volume 6 Number 1, May 2018 ISSN 2345-9387 <http://doi.org/10.4038/jur.v6i1.7869>

W.A.A.S. Chandrathilaka, **H.B. Asanthi**, T.G. Dayananda, and R. G. Gunasekera (2018). Influence of Stream Characteristics on Diversity and Distribution of Benthic Algae in Gongawwa Ela in Kottawa Rain forest, Galle, Sri Lanka *J.Univ.Ruhuna* 2018 **6**(1):37-48 Volume 6 Number 1, May 2018 ISSN 2345-9387 <http://doi.org/10.4038/jur.v6i1.7893>

Full papers in proceedings (Local)

H. B. Asanthi, E. Gomez, C. Aliaume, G. Lasserre, C. Casellas, P.R.T. Cumarantunga (2006). Study of metal accumulation and its spatio-temporal variation in two lagoons of Sri

Lanka, Proceedings of 4th academic sessions of University of Ruhuna (Editor-in-Chief Anoja I. Fernando), The University of Ruhuna, Matara, Sri Lanka. 187-196

Bandulage A. H., Aliaume C, Gomez E., Lasserre G., Casellas C. (2007). Fish community structure of selected brush parks in Negombo estuary, Sri Lanka, Proceedings of 5th academic sessions of University of Ruhuna (Editor-in-Chief L.P. Jayatissa), The University of Ruhuna, Matara, Sri Lanka. 90-104

N.J.L. HewaPathirana and **H.B. Asanthi** (2008). Priliminary study on physico-chemical characteristics and pollutants in Mirrissa and Puranawella harbours, southern coast, Sri Lanka, Proceedings of 6th academic sessions of University of Ruhuna (Editor in-Chief Tilak P.D. Gamage), The University of Ruhuna, Matara, Sri Lanka. 67 -73

K. Gunalan, **H.B. Asanthi**, T.P.D. Gamage, M. Thyshyanhy, S. Saravanan and N. Jayakumaran (2011), Incidence of oesophageal and stomach cancer related to Nitrate-N concentration in groundwater in Jaffna peninsula, The water resources research in Sri Lanka (Ed: Dayawansa N.D,K. and Ranjith Premalal De Silva) in symposium proceedings of the Water Professionals` Day, University of Peradeniya, 95 – 103 (citations 01, July 2016)

K. Gunalan, **H.B. Asanthi**, T.P.D. Gamage, M. Thyshyanthy and S. Saravanan (2011), Influence of rainfall on temporal variation of groundwater quality: A case study at Jaffna Peninsula, Proceedings of the international conference on the impact of climate change on Agriculture, Faculty of Agriculture, University of Ruhuna, Sri Lanka. 238 - 248

H.L.K. Sanjaya, **H.B. Asanthi**, and U.A.D. Jayasinghe (2012), Estimation of Macrobenthos secondary productivity in a headwater stream: A case study during a rainy period at Deniyaya, Matara (Ed: Dayawansa N.D,K., S. Pathmarajah and Ranjith Premalal De Silva) in symposium proceedings of the Water Professionals` Day, University of Peradeniya, Sri Lanka, 185 – 193

Thushyanthy Mikunthan, Gunaalan Kuddithamby, **H.B Asanthi**, T.P.D. Gamage, and Saravanan Suntharalingam (2013), Hazzard Quotient, Odd Ratio and Relative Risk: As the methods for assessment of health risks, Proceedings of the third international symposium, SEUSL, 6 – 7 July 2013, Ohvil, Sri Lanka, 100 – 103

K.M.D. Subashini, **H.B, Asanthi** and R.A. Maithreepala (2013), Dental Flurosis and consumption of groundwater:A case study in Madagama GN division, Moneragala, (Ed: Dayawansa N.D,K. and Ranjith Premalal De Silva) in symposium proceedings of the Water Professionals` Day, University of Peradeniya, Sri Lanka, 127 – 135

B.H.D. Wijerathne, R.A. Maithreepala and **H.B, Asanthi** (2013), Impacts of land use patteredns in catchment of Nilwala river on water quality, (Ed: Dayawansa N.D,K. and Ranjith Premalal De Silva) in symposium proceedings of the Water Professionals` Day, , University of Peradeniya, Sri Lanka, 161 – 171

Abiramy T., Thushyanthy M., and **Asanthi H.B.** (2013). Sediment and surface water quality of selected tanks in Kilinochchi, In: 4th international conference on Structural Engineering and Construction Management, Kandy, Sri Lanka, 13th, 14th and 15th December, 2013, 68 – 76

M.M. Manawadu, **H.B. Asanthi**, and U.A.D Jayasinghe (2016). Investigation on sediment transport and river discharge at downstream of Walawe river, In Symposium proceedings of The Water Professionals` Day University of Peradeniya, Sri Lanka, 1st October, 2016, 3-13

Book chapters (International)

K. Gunalan, **H.B. Asanthi**, T.P.D. Gamage, M. Thyshyanthy, and S. Saravanan (2014), Geochemical variations of groundwater quality in coastal and Karstic aquifers in Jaffna Peninsula, Sri Lanka, In: Management of water, energy and bio-resources in the era of climate change: Emerging Issues and Challenges, ISBN: 978-93-81891-063 (Ed: Raju NJ, Gossel W, Ramanathan AL & Sudhakar M). Springer, Netherlands and Capital Publishing, New Delhi; India, 50-60. (**citations 08, February 2021**)

Sanjaya H.L.K, **Asanthi H. B.** & Jayasinghe U. A. D. (2014): Macrobenthos diversity in a Headwater Stream affected by tea and paddy agricultural runoff, Sri Lanka. In: Management of water, energy and bio-resources in the era of climate change: Emerging Issues and Challenges, ISBN: 978-93-81891-063 (Ed: Raju NJ, Gossel W, Ramanathan AL & Sudhakar M). Springer, Netherlands and Capital Publishing, New Delhi; India, 205 – 218. (**citations 01, February 2021**)

Books and booklets

`Acute toxicity of oil dispersant on *Abudefduf vaigiensis*`, Authors:Wathsala Suwandhahannadi, Rajapaksha Arachchige Maithreepala, **Hewa Bandulage Asanthi**, Publisher: Scholar`s press, OmniScriptum GmbH & Co.KG, Germany, 2015, ISBN: 978-3639-76955-5

(**Citations 02 on February 2021**)

`Water quality and biology of hot springs of Mahapelessa, Sri Lanka`, Authors: B.M. Mallen Rajapaksha, R.A. Maithreepala and **H.B. Asanthi**, LAMBERT Academic Publishing, OmniScriptum GmbH & Co.KG, Germany, 2016, ISBN: 978-3-659-85996-0

(**Citations 04 on February 2021**)

Editorial work

Member of the editorial board of ROHANA Research Journal of the University of Ruhuna, Matara, Sri Lanka, **No.07-2009**, ISSN 1391 – 0701

Member of the editorial board of Proceedings of 8th academic sessions of University of Ruhuna (Editor in-Chief Mahinda Wijeratne), The University of Ruhuna, Matara, Sri Lanka.

Member of the editorial board of Proceedings of 9th academic sessions of University of Ruhuna (Editor in-Chief Mahinda Wijeratne), The University of Ruhuna, Matara, Sri Lanka.

Member of the editorial board of ROHANA Research Journal of the University of Ruhuna (Special volume), Matara, Sri Lanka, **No.10-2013**, ISSN 1391 – 0701

Member of the editorial board of Proceedings of 11th academic sessions of University of Ruhuna (Editor in-Chief Manjula K. Wanniarachchige), The University of Ruhuna, Matara, Sri Lanka. ISSN 2362 – 0412

Editor of the Report on Port Biological Baseline survey volume IV (Hambantota harbour) Collaborated with Marine Environment Protection Authority (MEPA), **2017**: ISBN 978-955-4826-06-9

Member of the editorial board of the Report on Port Biological Baseline survey volume III (Galle harbour) Collaborated with Marine Environment Protection Authority (MEPA): ISBN 978-955-4826-05-2

Member of the editorial board of the Report on Port Biological Baseline survey volume II (Trincomalee harbour) Collaborated with Marine Environment Protection Authority (MEPA): ISBN 978-955-4826-04-5

Member of the editorial board of the Report on Port Biological Baseline survey volume I (Colombo harbour) Collaborated with Marine Environment Protection Authority (MEPA): ISBN 978-955-4826-03-8

Reviewing research Papers

Paper reviewing committee member of 11th Academic Sessions, 12th Academic Sessions, University of Ruhuna. Matara, Sri Lanka, **2014**

Paper reviewing committee member of ISAE **2013**, International Symposium on Agriculture & Environment, Faculty of Agriculture, University of Ruhuna. Mapalana, Kamburupitiya, Sri Lanka

Paper reviewing committee member of Vavuniya Campus Annual Research Sessions, VCARS-**2011**, ISSN 1800-4911, Organized by Vavuniya Campus of University of Jaffna, Sri Lanka

Reviewed a paper in the Egyptian journal of Aquatic Research, 2016

Reviewed abstract submitted to 74th Annual Sessions of SLAAS, 2018,

Reviewed abstract submitted to RISTCON 2014, 2015, 2016, 2017, 2018,

Reviewed Manuscript submitted to NARA journal volume 2, 2014

Reviewed abstract submitted to WINC 2016

Reviewed abstract submitted to NARA Sessions, 2017

Reviewed abstract submitted to 5th International Conference on Dry Zone Agriculture (ICDA-2019), University of Jaffna

Reviewed a MPhil thesis submitted to the Faculty of Graduate studies, University of S Jpura, 2020

Serving as a Resource Person

A resource person for workshop on drafting a national policy for the use of oil dispersant in Sri Lanka for mitigating oil spill. Marine Environment Protection Authority of Sri Lanka organized and conducted this workshop for relevant stakeholder agencies in Sri Lanka on 30th June, 2017 at the Center for Banking Studies, Rajagiriya.

A teaching staff member of the Erasmus Mundus Joint Master Degree in Tropical Biodiversity and Ecosystems (TROPIMUNDO), 2020

Acknowledgements received

For collecting samples for the study of `Systematics of the grey mullets (Teleostei: Mugiliformes: Mugilidae): Molecular phylogenetic evidence challenges two centuries of morphology-based taxonomy (J.-D. Durand , K.-N. Shen , W.-J. Chen , B.W. Jamandre, H. Blel, K. Diop, M. Nirchio, F.J. Garcia de León, A.K. Whitfield, C.-W. Chang, P. Borsa) Molecular Phylogenetics and Evolution (2012), contributed for collecting samples of Mugilid for this study and acknowledgement received in the list as “**H. Asanthi**, Z. Batang, P. Bearez, A. Bentley, Y. Bettarel, J. Boubee, D.J. Bray, R. Causse, S. Chow, K.W. Conway, P. Cowley, M.T. Craig, I. de Buron, B. Delling, P. Durville,.....

Memberships

- Life member of SLASS (Sri Lanka Association for Advancement of Science): 6140D
- Life member of SLAFAR (Sri Lanka Association for Fisheries and Aquatic Research)
- Life member of NSF (National Science Foundation, Sri Lanka): NSF/STMIS/09/0554

Research grants received

- A research grant of Rs 8, 66525 received from National Water Supply & Drainage Board (**2011**) to complete five months research on the study of groundwater quality and health hazard in three selected areas in Jaffna peninsula. The principal investigator in the research No. R&D/W/2010/12/JAFFNA-Nitrate-N
- A research grant of Rs 27, 80000 received for leading a M. Phil degree in the Department of Limnology under National Agricultural Research Plan of the National Agricultural Research System in Sri Lanka (**2012 -2015**). Collaborating Scientist 1 in the project No. NARP/12/URU/FMST/01.
- A research grant of Rs 7.50000 received from Marine Pollution Prevention Authority (MPPA), (**2014**) Colombo for toxicity testing of Marine oil dispersant chemical on fish and efficiency testing for oil dispersant, Collaborating Scientist 1

Awards received

- Best Scientific paper oral session of the Faculty of Fisheries and Marine Sciences & Technology on 4th Academic sessions 29th January **2007** for the paper titled `study of metal accumulation and its spatio-temporal variation in two lagoons of Sri Lanka`.
- President's Award for Scientific publication for the year **2016** for "PLOS NEGLECTED TROPICAL DISEASES 2016, Vol 10, Issue 9, Art No. e0004979

Workshops attended

- The workshop on `Training seminar on food safety` conducted by Sri Lanka Association for the Advancement of Science on 15th July 2005.
- The training and workshop on `Pesticide residues in the environment` conducted by College of chemical sciences, Institute of Chemistry Ceylon on 6th and 7th December 2006.

- The workshop on `Performance indicators for higher education institution` conducted by the staff development Centre, University of Ruhuna and the Quality Assurance and Accreditation council of the UGC on 9th August 2007.
- The workshop on “Harmful algal blooms (HAB) and their measurements”, conducted by Nansen Environmental Research Centre India, at Mandpamam, Tamilnadu 12th – 15th May 2015

Contribution to development the University

- French language coordinator in the Faculty of Fisheries and Marine Sciences & Technology with effect from September 2006 to 2007.
- Member of the higher degree committee in the Faculty of Fisheries and Marine Sciences & Technology in 2006.
- Senior treasurer of the student union of faculty of Fisheries and Marine Sciences and Technology in 2008, 2009, 2012, 2013, 2014, 2015
- Student counselor, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, 2008, 2009, 2010
- Faculty nominee for the senate University of Ruhuna, 2009, 2010, 2011, 2012, 2013, 2014
- Faculty nominee for the editorial board in economic bulletin of Hambantota District Chamber of Commerce, 2011
- Member of disciplinary committee of University in 2007
- Faculty coordinator for English and library information courses for undergraduates in Faculty of Fisheries and Marine Sciences & Technology, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017
- Deputy Senior student counselor, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, 2011, 2012, 2013, 2014, 2015, 2016
- Treasurer, Ruhuna University Faculty of Fisheries and Marine Sciences & Technology Teachers Association, (RUFFTA) 2011, 2012, 2013, 2014, 2015, 2016, 2017
- Head of the Department of Limnology and Water Technology with effect from December 2014 to December 2017
- Chairperson of 15th Academic Sessions and 14th Vice Chancellors Awards ceremony, University of Ruhuna held on 7th March 2018
- Dean of the Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna with effect from 04th December 2017

National Services

- **Team member and the group leader** of sediment analysis in the base line biological survey of ports/harbours in Sri Lanka organized and funded by Marine Environment Pollution Prevention Authority (MEPA), 2013,2014, 2015 Ministry of Environment, Sri Lanka
- **A key coordinator of the Service Lab** in the Department of Limnology and Water Technology, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, which is registered in the Central Environmental Authority to analyse water and wastewater for providing Environmental Protection License to industries, hotels, etc. in Sri Lanka

Employment history

- **Temporary Demonstrator:** From 1997 June to 1998 June, Department of Zoology, Faculty of Science, University of Ruhuna
- **Temporary Assistant Lecturer:** From 1998 July to 1999 July, Department of Fisheries Biology, Faculty of Science, University of Ruhuna
- **Probationary Lecturer:** From 1999 to 2006 May, Department of Fisheries Biology, Faculty of Science, University of Ruhuna
- **Senior Lecturer Grade II:** From May 2006 up to date, Department of Limnology and Water Technology, Faculty of Fisheries and Marine Sciences and Technology, University of Ruhuna

Referees

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I certify that the given information is true and accurate.