

Full List of Research Publications

1. Kumara, K.R.P.S. and **M. Hettiarachchi** (2018). Critical better management practices and critical bio-security measures for prevention of entry and spread of white spot virus and pathogenic *Vibrio* in grow-out farms of cultured *Penaeus monodon* in Sri Lanka. *Sri Lanka J. Aquat. Sci.* **23(2)** (2018): 151-162 <http://doi.org/10.4038/sljas.v23i2.7556>.
2. **M. Hettiarachchi** (2017). Black tiger shrimp, *Penaeus monodon* is the species for sustainable export oriented brackish water shrimp culture in Sri Lanka. In Gloria Scientiam. M.J.S. Wijeyaratne and W.U. Chandrasekara eds. University of Kelaniya, Sri Lanka. 43 – 56.
3. K.R.P.S. Kumara and **M. Hettiarachchi** (2017). White faeces syndrome (WFS) caused by *Vibrio alginolyticus* and *Vibrio fluvialis* in shrimp, *Penaeus monodon* (Fabricius 1798) - multimodal strategy to control the syndrome in Sri Lankan grow-out ponds. *Journal of Asian Fisheries society*. 30 (issue -4). pp 245-261.
4. Kumara, K.R.P.S. and **M. Hettiarachchi** (2016). Regular monitoring and controlling *Vibrio* – a critical bio-security measure for Sri Lankan shrimp (*Penaeus monodon*) hatcheries. *Fish Pathology*, 51(S) 46-53.
5. Piyathilaka, M.A.C.P, **M. Hettiarachchi** and W.M.T.B. Wanninayake (2012) Growth and health status of cultured edible oyster, *Crassostrea madrasensis* (Preston) in the Panadura estuary, Sri Lanka. *J. Natn.Sci.Foundation Sri Lanka* 40(3): 201-210.
6. Gunawardena, P. V. S. L, U. P. K. Epa and **M. Hettiarachchi** (2009) Potential of mangrove wetlands as biofilters to treat shrimp pond effluents: A preliminary study in the north western Sri Lanka. In: Water Resources Research In Sri Lanka. (Eds. N.D.K. Dayawansa, S. Pathmarajah and M.I.M. Mowjood). Geo-Informatics Society Sri Lanka (GISSL) and Cap-Net Sri Lanka. 11-19.
7. Dissanayake, C., **M. Hettiarachchi** and M.C.M. Iqbal (2007). Sustainable use of *Cryptocoryne wendtii* and *Echinodorus cordifolius* in the aquaculture industry of Sri Lanka by micropropagation. *Sri Lanka J. Aquat. Sci.* 12: 89-101.
8. Hettiarachchi, C. and **M. Hettiarachchi** (2006) A comparative study on the quality of postlarvae of Black Tiger Shrimp, *Penaeus monodon*, produced in hatcheries in Sri Lanka. *J. Natn.Sci.Foundation Sri Lanka* 34(4): 195-203.
9. Yatawara, M.D.M.D.W.M.M.K. and **M. Hettiarachchi** (2006). Effect of dietary fish meal replacement in the formulated food by heat processed soya bean meal on growth, survival, and crude protein level of fingerlings of Genetically Improved Farmed Tilapia (GIFT). *Sri Lanka J. Aquat.Sci.* 11: 63-72.

10. **Hettiarachchi, M.**, S.G.Pathirage and D.C.Hettiarachchi (2005). Isolation of a pathogenic *Vibrio harveyi* from post larvae of cultured shrimp, *Penaeus monodon* in Sri Lanka and production of vaccines against the bacterium. *J. Natn.Sci.Foundation. Sri Lanka*33(4) 257-263.
11. Asoka, J.M. and **M.Hettiarachchi** (2004). Rearing of larvae of giant fresh water prawn, *Macrobrachium rosenburgii* up to post larvae using different feeds. *SriLanka J.Aquat. Sci.* 9:57-67.
12. Hettiarachchi, D.C. and **M.Hettiarachchi** (2003). Some growth characteristics of *Tetrahymena* sp., a parasite of guppy, *Poecilia reticulata* and the effect of a mixture of two commonly used protozoacides on its population density. *Sri Lanka J.Aquat.Sci.* 8:41-49
13. **Hettiarachchi, M.** and D.M.P.R.Dissanayake (2002). Performance of a trickling filter constructed with locally available materials for fresh water ornamental fish aquaria. *Sri Lanka J. Aquat. Sci.* 7: 85-95.
14. **Hettiarachchi, M** (2002). Effects of praziquantel on metacercarial cysts of *Centrocestus* sp. on the gills of goldfish, *Carassius auratus*. In Diseases in Asian Aquaculture IV (Eds. C.R.Lavilla-Pitogo and E.R.Cruz-Lacierda), pp. 285-292. Asian Fisheries Society, Manila, Philippines.
15. **Hettiarachchi, M.** and R.M.P.S. Dassanayake (2000). Growth performance and colour enhancement of guppy, *Poecelia reticulata* when fed with locally formulated pigment included diets. *SriLanka J.Aquat. Sci.* 5:39-46.
16. **Hettiarachchi, M.** and U.P.K. Epa, (1999). Production performance and status of health of black tiger prawn, *Penaeus monodon* (Fabricius) subsequent to the first outbreak of Systemic Ectodermal and Mesodermal Baculo Virus (SEMBV) disease in a commercial farm in SriLanka. *SriLanka J.Aquat. Sci.* 4: 41-49.
17. **Hettiarachchi, M.** and S.P.S.D. Senadheera, (1999). Efficacy of quinaldine sulfate as an anaesthetic for the ornamental carp (*Cyprinus carpio*) in simulated packaging for long distance transport. *SriLanka J. Aquat. Sci.* 4: 13-22.
18. **Hettiarachchi, M.** (1996). Culture of tiger prawn, *Penaeus monodon* under acid sulfate conditions in the environs of Negombo estuary, SriLanka. *Proceedings of the UNESCO Workshop on Coastal Aquaculture*, 1996 (Ed. Quddushi, B.Kazmi), pp. 27-35. Marine Reference Collection and ResourceCenter, University of Karachi, Karachi, Pakistan.

19. Hettiarachchi, D.C., **M. Hettiarachchi**, and C.H. Cheong, (1995). The population structure and the effect of pH on growth characteristics of *Brachionus calyciflorus amphiceros* (Ehrenburg) grown on freshwater *Chlorella* sp. *J.Natn.Sci.Coun.SriLanka* 23(4): 143-151.
20. Inyang, N.M. and **M.Hettiarachchi**, (1995). Effects of light on egg hatchability, fry survival and growth of *Clarias* species (Clariidae) in tanks. *Journal of Aquatic Sciences* 10: 25-27.
21. Inyang, N.M. and **M.Hettiarachchi**, (1994). Efficacy of Human Chorionic Gondotropin (hCG) and crude pituitary extract of fish and frog in oocyte maturation and ovulation in African catfish, *Clarias gariepinus* Burchell, 1822 and *Clarias anguillaris* L, 1762. *Aquaculture and Fisheries Management* 24, 245-258.
22. De Silva, S.S. and **M. Rangoda-Hettiarachchi** (1979). Some chemical characteristics of fresh and salt dried *Tilapia mossambica* Peters. *J.Natn.Sci.Coun. SriLanka*. 7(1):19-27.