

**Research papers presented at International Conferences / Symposia
(Abstracts published)**

1. **Hettiarachchi, M.**, D.C. Hettiarachchi and K.R.P.S. Kumara (2018). Sustainable shrimp (*Penaeus monodon*) culture in the north western province, Sri Lanka through local biotechnological inputs. South Asian Biotechnology Conference, Book of Abstracts, P. 84.
2. **Hettiarachchi, M** and K.R.P.S. Kumara (2017). Multimodal strategies to control diseases in hatchery and grow-out phases of cultured shrimp, *Penaeus monodon*. In handbook of the 10th Symposium on Diseases in Asian Aquaculture (DAA 10) Sunarto, A.M. and R. Subasinghe eds. P. 164.
3. K.R.P.S. Kumara, **M. Hettiarachchi** (2016). Severity of white spot virus infection and WSV resistance in brood stocks of *Penaeus monodon* – identified by DNA markers. In the proceeding of the International Reserch Symposium on Pure and Applied Science, Faculty of Science, University of Kelaniya, Sri Lanka, P. 11
4. K.R.P.S. Kumara and **M. Hettiarachchi** (2015) Reproductive performances of brood stocks of black tiger shrimp, *Penaeus monodon* when docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA) are added to the maturation diet. In the proceeding of the **2nd Annual International Conference** on Fisheries and Aquaculture Sri Lanka. P. 13
5. Karawita, K.V.D.H.R., **M. Hettiarachchi** and K.R.P.S.Kumara (2015). Immunity enhancement in cultured black tiger Shrimp, *Penaeus monodon* by ethanol extract of prickly chaff flower, *Achyranthes aspera*. In proceedings of **2nd Annual International Conference** on Fisheries and Aquaculture – 2015,Colombo,Sri Lanka. P. 31
6. Kumara, K.R.P.S and **M. Hettiarachchi** (2014). Virulency of five species of *Vibrio* isolated from *Penaeus monodon* (black tiger shrimp) hatcheries and the sensitivity of them to antibiotics. In the proceeding of the **9th Symposium on Diseases in Asian Aquaculture (DAA IX) in Vietnam**, 24-28 November, 2014. P.302
7. Nagahawatte, K. R. and **M. Hettiarachchi** (2014). Antibacterial activity of rampe, *Pandanus amaryllifolius* against a pathogenic strain of *Aeromonas hydrophila* and efficacy of rampe root extract in controlling *A. hydrophila* infections in guppy, *Poecilia reticulata*. In the proceeding of the **9th Symposium on Diseases in Asian Aquaculture (DAA IX) in Vietnam**, 24-28 November, 2014. P.278.
8. Sakunthala, H.S, W.D. Ratnasooriya, **Hettiarachchi, M.** and J. Wattevidanage (2013). Antidiarrhoeal activity of hot water extract of leaves of *Desmodium triflorum* DC. in rat. Paper presented at Ist International Conference on Unani, Ayurveda, Siddha and Traditional Medicine 2013. Abstract of Papers p. 75.
9. **Hettiarachchi, M** (2012). Emotional problems of university students – A Sri Lankan study. Paper presented at the International Counselling and Education Conference, 3 – 5 May 2012, Istanbul Technical University, Istanbul, Turkey.

10. **Hettiarachchi, M.**, D.C. Hettiarachchi and C.K. Hemachandra (2011). Gill Sphaerosporosis in swordtail, *Xiphophorus helleri* – first report from Sri Lanka Proceedings of the 8th Symposium on Diseases in Asian Aquaculture, Mangalore, India. Abstracts of papers p. 182.
11. Ramachandra, R.C.N.C., **M. Hettiarachchi** and D.C.Hettiarachchi (2008) Effect of a locally produced probiotic on survival, growth and quality of hatchery produced *Penaeus monodon* post larvae. Proceedings of the 7th Symposium on Diseases in Asian Aquaculture, Taipei, Taiwan. Abstracts of papers p. 186.
12. Yasapala, S.N., **M. Hettiarachchi** and D.C.Hettiarachchi (2008) Effect of Vitamin C and β , 1-3, 1-6 glucan on the immunity of swordtail, *Xiphophorus helleri*, an ornamental fish. Proceedings of the 7th Symposium on Diseases in Asian Aquaculture, Taipei, Taiwan. Abstract of papers p. 171.
13. **Hettiarachchi, M.** and D.C.Hettiarachchi (2005). Development of a probiotic using two strains of *Bacillus subtilis*. Proceedings of the 6th Symposium on Diseases in Asia Aquaculture, Colombo, Sri Lanka. Abstracts of papers p. 191.
14. Hettiarachchi, D.C. and **M. Hettiarachchi** (2005). Performance of a locally developed probiotic in closed culture systems of *Penaeus monodon* in Sri Lanka under different densities. Proceedings of the 6th Symposium on Diseases in Asian Aquaculture, Colombo, Sri Lanka. Abstracts of papers p. 92.
15. **Hettiarachchi, M.** and D.C.Hettiarachchi (2005). Effects of *Bacillus subtilis* and β -1,3 – 1,6 glucan on the mortality of guppy, *Poecilia reticulata* during fry rearing. Proceedings of the 6th Symposium on Diseases in Asian Aquaculture, Colombo, Sri Lanka. Abstracts of papers p. 85.
16. **Hettiarachchi, M.** and D.C.Hettiarachchi (2002). A study on columnaris disease in guppy, *Poecilia reticulata*. Proceedings of the 5th Symposium on Diseases in Asian Aquaculture. Abstracts of papers p. 116.
17. **Hettiarachchi M.**, A. Pathiratne, R.P.H. Somathilake (1999). Effects of physico-chemical parameters of pond water and *Vibrio* infection on the occurrence of white spot disease in *Penaeus monodon* cultured in Sri Lanka. Fourth Symposium on Diseases in Asian Aquaculture, Cebu city, Philippines Nov.22-26. Abstracts of papers op. 27.
18. **Hettiarachchi, M.** and D.C. Hettiarachchi (1999). A study on “Tet Disease” caused by *Tetrahymena* in Guppy *Poecilia reticulata*. Fourth Symposium on Diseases in Asian Aquaculture, Cebu city, Philippines. Nov.22-26. Abstracts of papers op. 68.
19. Hettiarachchi, M.(1999). Effects of praziquantel on metacercarial cysts of *Centrocestus* sp. occurring on the gills of goldfish *Carassius auratus*. Fourth Symposium on Diseases in Asian Aquaculture, Cebu City, Philippines Nov. 22-26. Abstracts of papers p. 47.
20. **Hettiarachchi, M** (1996). Culture of *Penaeus monodon* in the acid sulphate environs of Negombo estuary, Sri Lanka. Proceedings of the Workshop on Coastal Aquaculture, Karachi, Pakistan. Abstracts of papers p. 36

**Research papers presented at National Conferences / Symposia
(Abstracts published)**

1. Madduma, M.D.R. and **M. Hettiarachchi** (2018). Growth performances and survival of Siamese fighting fish, *Betta splendens* (Regan 1910) under three formulated feeds with different sources of animal protein. In Proceeding of the 38th annual session of the Institute of Biology Sri Lanka. P. 21.
2. Lansakara, L.W.A.M.J.T.K. and **M. Hettiarachchi** (2017) Enhancement of growth performances of juvenile black tiger shrimp, *Penaeus monodon* by a locally produced probiotic / bioaugmenter and a catalyst activated water”. Proceedings of the twenty third Annual Scientific Sessions of *Sri Lanka Association for Fisheries and Aquatic Resources*, May 2017. Sri Lanka Association for Fisheries and Aquatic Resources. Book of Abstracts, P.18.
3. De Silva A.M.D. and **M. Hettiarachchi** (2017). Enhancement of growth and colour of guppy, *Poecilia reticulata* when fed with Spirulina powder and a catalyst activated water as feed additives”. Proceedings of the 23rd Annual Scientific Sessions of *Sri Lanka Association for Fisheries and Aquatic Resources*. Book of Abstracts, p.10.
4. De Silva, A.M.D. and **M. Hettiarachchi** (2017). Immunity enhancement of guppy (*Poecilia reticulata*) by *Spirulina* powder and a catalyst activated water as feed additives. In Proceeding of the 37th annual session of the Institute of Biology Sri Lanka. P. 43.
5. Lansakara, L.W.A.M.J.T.K. and **M. Hettiarachchi** (2017). Immunity enhancement and increased survival of black tiger shrimp, *Penaeus monodon* by a locally produced improved probiotic/bioaugmenter and a catalyst activated water. In Proceeding of the 37th annual session of the Institute of Biology Sri Lanka. P. 42.
6. D.C. Hettiarachchi, K.R.P.S. Kumara and **M. Hettiarachchi** (2015) Different isolates of *Bacillus subtilis* from gastrointestinal tract of wild caught black tiger shrimp, *Penaeus monodon* to improve a locally produced probiotic/bioaugmenter for controlling pathogenic *Vibrio* in Sri Lankan shrimp culture systems, **International Postgraduate Research Conference**, University of Kelaniya, Sri Lanka. P.185.
7. Sakunthala, H. S., W. D. Ratnasooriya, **M. Hettiarachchi** and Wattevidanage, J. (2015) Gastric Ulcer healing activity of hot water extract of leaves of *Desmodium triflorum* DC. in rat. 3rd International Conference on Ayurveda, Unani, Siddha and Traditional Medicine 2015 organized by the Institutes of Indigenous Medicine (IIM), Rajagiriya. Book of Abstract, P. 21.

8. **Hettiarachchi. M.**, D.C.Hettiarachchi and K.R.P.S. Kumara (2015) Possibility of preventing Acute Hepatopancreatic Necrosis Disease (AHPND), a killer disease in cultured shrimp caused by a unique strain of *Vibrio parahaemolyticus* if the strain enters into Sri Lankan culture systems. In Proceeding of the 35th annual session of the Institute of Biology Sri Lanka. P. 38.
9. K.R.P.S. Kumara and **M. Hettiarachchi** (2015) Selection of WSV and MBV free brood stocks of cultured shrimp, *Penaeus monodon* from Sri Lankan coastal sea to produce healthy post larvae. In Proceeding of the 35th annual session of the Institute of Biology Sri Lanka. P. 39.
10. Karawita, K.V.D.H.R. and **M. Hettiarachchi** (2015). Protection of cultured shrimp, *Penaeus monodon* from white spot disease (WSD) by the enhanced immunity with *Achyranthes aspera* compared to a commercial immune enhancer. In Proceeding of the 35th annual session of the Institute of Biology Sri Lanka. P. 37.
11. Karawita, K.V.D.H.R. and **M. Hettiarachchi** (2015). Enhancement of immunity in cultured shrimp, *Penaeus monodon* by Karalhaba, *Achyranthes aspera* compared to a commercial immune enhancer. In 35th annual session of the Institute of Biology, Sri Lanka. P.36.
12. Renapana, R.A.H.P.K., **M. Hettiarachchi** and J. Chandrasoma (2014). Performance of red tilapia fed with feeds, formulated incorporating processed Poultry feather meal. In the proceeding of the 34th annual sessions of the Institute of Biology Sri Lanka. P. 65.
13. K.R.P.S. Kumara and **M. Hettiarachchi** (2014). Isolation and Identification of *Vibrio* species that cause white feces disease in cultured *Penaeus monodon* (black tiger shrimp) with methods to prevent /control- First report from Sri Lanka. In the proceeding of the 34th annual sessions of the Institute of Biology Sri Lanka. P. 66.
14. Wickramasinghe, D.C. and **M. Hettiarachchi** (2014). Effect of *Bacillus subtilis* and *Bacillus coagulans* as probiotics on the growth, survival and enhancement of resistance to bacterial infections in young female guppy, *Poecilia reticulata*. In the proceeding of the 34th annual sessions of the Institute of Biology Sri Lanka. P. 43.
15. Nagahawatte, K. R. and **M. Hettiarachchi** (2014). Ability of rampe, *Pandanus amaryllifolius* in maintaining water quality for guppy, *Poecilia reticulata*. In the proceeding of the 34th annual sessions of the Institute of Biology Sri Lanka. P. 22.
16. Kumara, K.R.P.S and **M. Hettiarachchi** (2014). Critical bio security measures to reduce the occurrence of white spot syndrome (WSS) and vibriosis in cultured shrimp, *Penaeus monodon* and to increase the production compliance to food safety regulations. In proceedings of HETC Symposium – 2014 “National development through research and innovation”, Ministry of Higher Education. Abstract of Papers p. 111.

17. Kumara, K.R.P.S and **M. Hettiarachchi** (2013). Isolation and identification of *Vibrio* species that cause vibriosis in shrimp (*Penaeus monodon*) larvae and its prevention/control using locally produced probiotic. In book of abstracts, Annual Research Symposium, Faculty of Graduate Studies, University of Kelaniya p. 17.
18. Wickramasinghe, T.K.C and **M. Hettiarachchi** (2013). Antibacterial activity of aqueous neem leaf (*Azadirachta indica* A. Juss) extract on a pathogenic *Aeromonas* sp. And immunostimulating property of the extract on koi carp, *Cyprinus carpio* Linnaeus. In proceedings of the 33rd Annual Sessions of the Institute of Biology. Abstract of papers p. 55.
19. Wickramasinghe, T.K.C, **M. Hettiarachchi** and K.A.H. Jayasinghe (2013). Isolation, characterization and pathogenicity of a bacterium that causes fin rot, gill rot and haemorrhagic lesions on the body surface leading to systemic bacteraemia in koi carp, *Cyprinus carpio* Linnaeus. In proceedings of the 33rd Annual Sessions of the Institute of Biology. Abstract of papers p. 54.
20. Kumara, K.R.P.S, **M. Hettiarachchi** and U.P.K.Epa (2013). Inadequacy of adopting critical bio security measures and best management practices in Sri Lankan shrimp hatcheries – is controlling *Vibrio* a critical bio security measure. In proceedings of the 33rd Annual Sessions of the Institute of Biology. Abstract of papers p. 46.
21. Kumara, K.R.P.S, **M. Hettiarachchi** and L.D. Jayarathne (2013). Production of WSSV, MBV and *Vibrio* free, good quality post larvae of shrimp, *Penaeus monodon* without using broad spectrum antibiotics. In proceedings of the 33rd Annual Sessions of the Institute of Biology. Abstract of papers p. 43.
22. Sakunthala, H.S, W.D. Ratnasooriya, **Hettiarachchi, M.** and J. Wattevidanage (2012). The hot water extract of leaves of *Desmodium triflorum* DC with special reference to gastroprotective action and reduced gastric acidity in rat. Paper presented at Pandit G. P. Wickramarachchi Memorial International Research Symposium 2012. Abstract of papers p. 102.
23. Sakunthala, H.S, W.D. Ratnasooriya, **Hettiarachchi, M.** and J. Wattevidanage (2012). Ethno botanical uses and some bioactivity studies of *Desmodium triflorum* DC a preliminary study. Paper presented at the International Seminar on Ayurveda For Non Communicable Diseases, Kerala, India. Abstract of papers p. 278.
24. Sakunthala, H.S, W.D. Ratnasooriya, **Hettiarachchi, M.** and J. Wattevidanage (2012). Gastroprotective activity of hot water extract of leaves of *Desmodium triflorum* DC. Paper presented at the National Ayurvedha Research Conference 2012. Abstract of papers p. 41.

25. Jayasundara, J.M.C.N. and **M. Hettiarachchi** (2012) Effect of raw garlic extract on common external parasites, *Ichthyophthirus multifillis*, *Gyrodactylus* spp. and *Dactylogyrus* spp. on goldfish, *Carassius auratus*. Proceedings of the 18th Annual Scientific Sessions, Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p.43.
26. Jayasundara, J.M.C.N. and **M. Hettiarachchi** (2012) Turmeric extract as a parasiticide for *Ichthyophthirus multifillis*, *Gyrodactylus* spp. And *Dactylogyrus* spp. on goldfish, *Carassius auratus*. Proceedings of the 18th Annual Scientific Sessions, Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p.42.
27. Jayasinghe, D.L.D.A.R. and **M. Hettiarachchi** (2012) Pollution at a discharge point of treated effluent from a textile mill factory, in Kalu Ganga, evaluated by water quality parameters and histological alterations (biomarker of effect) in *Rasbora daniconius* and *Puntius sarana*. Proceedings of the 18th Annual Scientific Sessions, Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 35.
28. Weerasinghe, K.A.T.D. and **M. Hettiarachchi** (2011). Effects of chicken blood meal incorporated fish feed, on growth performances and protein assimilation in red tilapia. Proceedings of the 17th Annual Scientific Sessions, Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p.06.
29. Gunawardena, P. V. S. L, U. P. K. Epa and **M. Hettiarachchi** (2010). Effects of shrimp farming practices on water quality of northern part of the Dutch canal. Sixteenth Annual Scientific Sessions, Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p.22.
30. Savithri, H. G. D. and **M. Hettiarachchi** (2010) Resistance development in guppy, *Poecilia reticulata* fed with *Spirulina*, against a virulent strain of *Aeromonas hydrophila*. Proceedings of the 16th Annual Sessions of Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p.12.
31. Savithri, H. G. D. and **M. Hettiarachchi** (2010) Effect of *Spirulina platensis*, a cyanobacterium on growth performances and colour enhancement in guppy, *Poecilia reticulata*. Proceedings of the 16th Annual Sessions of Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 8.
32. Gunawarden, P. V. S. L, U. P. K. Epa and **M. Hettiarachchi** (2009). Efficacy of natural wetlands in treating shrimp pond effluents in North western province of Sri Lanka. Fifteenth annual Scientific Sessions, Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers. P. 22.
33. Ramachandra, R. C. N. S and **M. Hettiarachchi** (2009) Effect of a commercially available probiotic on survival, growth and quality of hatchery produced *Penaeus monodon* post larvae. Proceedings of the 15th Annual Sessions of Sri Lanka Association for Fisheries and Aquatic Resources. Abstract of papers p. 15.

34. Kumara, K. R. P. S. and **M. Hettiarachchi** (2009) Northeast monsoon rains and associated changes as risk factors for the occurrence of white spot syndrome in cultured *Penaeus monodon* in the Northwestern Province. Proceedings of the 15th Annual Sessions of Sri Lanka Association for Fisheries and Aquatic Resources. Abstract of papers p. 14.
35. Wijitha, G. and **M. Hettiarachchi** (2009) Effect of Better Management Practices (BMPs) on shrimp production and occurrence of outbreaks of white spot syndrome in tiger shrimp, *Penaeus monodon*, in grow out ponds. Proceedings of the 15th Annual Sessions of Sri Lanka Association for Fisheries and Aquatic Resources. Abstract of papers p. 12.
36. Piyathilaka, M. A. P. C. and **M. Hettiarachchi** (2008) Health status of the edible oyster, *Crassostrea madrasensis* cultured at Panadura estuary. Proceedings of the 28th Annual Sessions of the Institute of Biology, Sri Lanka. Abstract of papers p. 38.
37. Piyathilaka, M. A. P. C., **M. Hettiarachchi** and T. B. Wanninayaka (2008) Effect of external fouling on the growth of the cultured edible oyster, *Crassostrea madrasensis* at Panadura estuary. Proceedings of the 28th Annual Sessions of the Institute of Biology, Sri Lanka. Abstract of papers p. 37.
38. Gunawardane N.D.P. and **M.Hettiarachchi, M** (2006) Morphometric differences observed between two populations of *Clarias brachysoma*, an Endemic, edible freshwater fish of Sri Lanka. Annual Research Symposium 2006, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 83.
39. **Hettiarachchi, M.** and D.C.Hettiarachchi(2005). *Pleistophora* sp. (a microsporidian) infection in an ornamental fish, swordtail, *Xiphophorus helleri* – the first record of the parasite in Sri Lanka. Annual Research Symposium 2005, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 52.
40. **Hettiarachchi, M** (2005). If therapeutic formalin treatment for gill fluke infestation is to be successful in goldfish, gill lamellae should not have reached the stage of telangiectasis. Annual Research Symposium 2005, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 51.
41. **Hettiarachchi, M.** and D.C. Hettiarachchi (2005). Is systemic vibriosis a predisposing factor for white spot disease in shrimp, *Penaeus monodon* in grow-out ponds? Annual Research Symposium 2005, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 53.
42. Chandrasiri, M.A.C.D. and **M. Hettiarachchi** (2005). Effect of a commercially available probiotic on growth and survival of an ornamental fish, guppy, *Poecilia reticulata*. Proceedings of the Eleventh Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 21

43. Yatawara, M.D.M.D.W.M.M.K. and **M.Hettiarachchi** (2005). Effect of dietary fish meal replacement in the formulated food by heat processed soybean meal on growth, survival and crude protein level of fingerlings of Genetically Improved Farm *Tilapia* (GIFT). Proceedings of the Eleventh Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 19.
44. **Hettiarachchi, M** and D.C. Hettiarachchi (2004). Infestation with *Nematopsis* sp. (a gregarine) in the alimentary canal of cultured juvenile shrimp, *Penaeus monodon* causing growth retardation. Proceedings of the Annual Research Symposium 2004. Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 75.
45. **Hettiarachchi, M.** (2004). Lymphosistis in goldfish, *Carassius auratus* – Could infestation with *Lernaea* and/ or *Ichthyophthirius* act as predisposing factors? Proceedings of the Annual Research Symposium 2004, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 76.
46. **Hettiarachchi, M** (2004). A preliminary study on the sleeping sickness in ornamental carp (koi), *Cyprinus carpio*. Proceedings of the Annual Research Symposium 2004, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 74.
47. **Hettiarachchi, M.** and C.Hettiarachchi (2004). A comparative study on the quality of post larvae of black tiger shrimp, *Penaeus monodon* produced in some Sri Lankan shrimp hatcheries with different management systems. Proceedings of the 10th Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 02.
48. Fouzi, M.N.M., **M.Hettiarachchi**, R.P.V.J. Rajapakse, S.P. Gunaratne and T.A.D.N. Talpearachchi (2003). Study to compare the effects of conditioning on external parasitic fauna of guppy, *Poecilia reticulata*. Proceedings of the Peradeniya University Research Sessions, Vol. 8. Abstracts of papers p. 211.
49. **Hettiarachchi, M.** and D.C.Hettiarachchi (2003). Occurrence of Swollen Hind Gut Syndrome (SHG) in post larvae of *Penaeus monodon* collected from some shrimp hatcheries in Sri Lanka. Proceedings of the Annual Research Symposium 2003, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 82.
50. Dissanayake, W.A.D.C.P., **M.Hettiarachchi** and M.C.M.Iqbal (2003). Tissue culture propagation of ornamental aquatic plants, *Cryptocorine wendtii* (wendi brown) and *Echinodorous cordifolious* (marble queen). Proceedings of the Annual Research Symposium 2003, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 84.
51. **Hettiarachchi, M** (2003). Occurrence of a myxosporidian parasite in a stock of juveniles of giant gouramy, *Osphronemus goramy*, an ornamental fish imported to Sri Lanka. Proceedings of the Annual Research Symposium 2003, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 85.

52. **Hettiarachchi, M.** and D.C.Hettiarachchi(2002). Observations on infestation of *Piscinoodinium pillularis* in freshwater ornamental fish in some commercial aquaria in Sri Lanka. Proceedings of the Annual Research Symposium 2002, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 30.
53. **Hettiarachchi, M.** and D.C.Hettiarachchi (2002). An investigation of caudal fin rot due to *Flexibacter columnaris* in guppy, *Poecilia reticulata*. Proceedings of the Annual Research Symposium 2002, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 32.
54. **Hettiarachchi, M.** and D.C. Hettiarachchi (2002). Some aspects of characterization of an unidentified diatom species and its performance as a live food for larval stages of the shrimp, *Penaeus monodon*. Proceedings of the Annual Research Symposium 2002, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 28.
55. **Hettiarachchi, M.** and M.D.M.D.W.M.M.K. Yatawara (2002). Effect of ammonia and salinity in inducing the formation of resting eggs (cysts) of rotifer, *Brachionus plicatilis*. Proceedings of the 58th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers p. 169.
56. Dissanayake, C.D.A.M.P.A. and **M. Hettiarachchi** (2002). Development of shrimp grow-out feed with locally available ingredients and evaluation of production performance of the shrimp, *Penaeus monodon* under the developed feed. Proceedings of the 8th Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 22.
57. **Hettiarachchi, M.** and D.C. Hettiarachchi (2001). A study on the possibility of culturing marine rotifer, *Brachionus plicatilis* at salinity close to fresh water. Proceedings of the Annual Research Symposium 2001, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 27.
58. **Hettiarachchi, M.** and D.C. Hettiarachchi (2001). A study on Monodon Baculo Virus (MBV) disease of *Penaeus monodon* post larvae, produced in some shrimp hatcheries in Sri Lanka. Proceedings of the Annual Research Symposium 2001, Faculty of Graduate Studies, University of Kelaniya. Abstract of papers p. 26.
59. Epa, U.P.K., S.S. de Silva, M.J.S. Wijeyaratne and **M. Hettiarachchi** (2001). The effectiveness of an organic immune enhancer and vitamin C in zero water exchange *Penaeus monodon* culture ponds. Proceedings of the 7th Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resource. Abstracts of papers p. 05.
60. Rajapakshe, A.D.W.R., **M. Hettiarachchi** and P.P.G.S.N.Siriwardena (2001). A study on the feasibility of growing three ornamental fish species in abandoned coral pits and reservoirs. Proceedings of the 7th Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 07.

61. Somathilake, R.P.H., **M. Hettiarachchi** and A. Pathiratne (2001). Some risk factors that could induce the occurrence of white spot disease in *Penaeus monodon* cultured in the North Western Province, Sri Lanka: results of a retrospective study. Proceedings of the 7th Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 11.
62. Pathirage, M.N.K. and **M. Hettiarachchi** (2001). Parasitic survey of ornamental carp (*Cyprinus carpio*) collected from three commercial aquaria situated in the Greater Colombo region. Proceedings of the 7th Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 10.
63. Asoka, J.M. and **M. Hettiarachchi** (2001). Rearing of giant freshwater prawn (*Macrobrachium rosenbergii*) larvae up to post larvae using different feeds. Proceedings of the 7th Annual Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstract of papers p.06.
64. **Hettiarachchi, M.** and D.M.P.R. Dissanayake (2001). Performance of a trickling filter constructed with locally available materials for freshwater ornamental fish aquaria. Proceedings of the 57th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers p. 182.
65. **Hettiarachchi, M.** and D.C. Hettiarachchi (2001). Combined effect of methylene blue and zinc free malachite green on protozoan parasites, *Tetrahymena* sp. and *Oodinium* sp. of ornamental fish. Proceedings of the 1st National Workshop on Aquaculture Medicine, January, 2001, 18-20 CFDDM, SES, CUSAT, Cochin, India. Abstracts of papers pp. 40-41.
66. Somathilake, R.P.H., **M. Hettiarachchi** and A. Pathiratne (2000). Experimental transmission of white spot virus (SEMBV) to tiger shrimp, *Penaeus monodon* under different salinity and hardness levels in water. Proceedings of the Annual Research Symposium 2000, Faculty of Graduate Studies, University of Kelaniya. Abstracts of papers p. 10.
67. **Hettiarachchi, M.** and K.S.K.H. Amaratunga (2000). A study on the disease caused by *Tetrahymena* sp. (a ciliate protozoan) in guppy, *Poecilia reticulata*. Proceedings of the 56th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers p. 173.
68. **Hettiarachchi, M.** and R.P.H. Somathilake (2000). Lymphocystis (a viral infection) in *Trichogaster pectoralis*; the first report from Sri Lanka. Proceedings of the 20th Annual sessions of the Institute of Biology, Sri Lanka. Abstracts of papers p. 32.
69. **Hettiarachchi, M.** and R.M.P.S. Dassanayake (1999). Growth performance and colour development of guppy *Poecilia reticulata* (Peters) 1859, under the effect of formulated feed. Proceedings of the 55th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers p. 176.

70. **Hettiarachchi, M.,** A. Pathiratne, R.P.H. Somathilake (1999). Effects of physico-chemical parameters of the pond water on the occurrence of white spot disease in *Penaeus monodon* cultured in the North Western Province, Sri Lanka. Proceedings of the 5th Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 24.
71. Hettiarachchi, D.C. and **M.Hettiarachchi** (1998). Some growth characteristics of a unicellular ciliate, *Tetrahymena corllisi* grown under laboratory conditions. Proceedings of the 18th Annual Sessions of the Institute of Biology, Sri Lanka. Abstracts of papers p. 17.
72. Costa, H.H. and **M. Hettiarachchi** (1998). Effects of parasitic crustacean infestation on the Asian cichlid, *Etroplus suratensis* (Pisces – Cichlidae) inhabiting the Negombo estuary, Sri Lanka. Proceedings of the 18th Annual Sessions of the Institute of Biology, Sri Lanka. Abstracts of papers p. 15.
73. Epa, U.P.K. and **M. Hettiarachchi** (1998). Production performance and status of health of black tiger prawn, *Penaeus monodon* (Fabricus) subsequent to the first outbreak of Systemic Ectodermal and Mesodermal Baculo Virus (SEMBV) in a commercial farm in Sri Lanka. Proceedings of the 4th Annual Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p. 02.
74. Sajeevane, H.K.C. and **M. Hettiarachchi** (1998). Prevalence, intensity and distribution of metacercarial cysts of a *Centrocestus* species (Digenia:Heterophyidae) on the gills of gold fish *Carassius auratus*. Proceedings of the 4th Annual Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources. Abstracts of papers p.12.
75. Senadheera, S.P.S.D. and **M. Hettiarachchi** (1996). Use of quinaldine sulphate as an anaesthetic agent for Koi carp, *Cyprinus carpio*. Proceedings of the 52nd Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers pp. 121-122.
76. Vasantha, G.K.H.M. and **M. Hettiarachchi** (1995). The pathogeneticity of freshwater *Vibrio* sp. on an ornamental fish, *Pterophyllum scalarae* (angelfish). Proceedings of the 51st Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers pp. 272-274.
77. **Hettiarachchi, M.** and W. M. Priyankara (1994). Some aspects of reproductive biology of *Monodactylus argenteus* in Negombo estuary. Proceedings of the Golden Jubilee Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers pp. 193-194.
78. **Hettiarachchi, M.** and T.M.S. Tennakoon (1994). Influence of salinity and pH on survival of juveniles of *Monodactylus argenteus*. Proceedings of the Golden Jubilee Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers pp. 167-168.

79. **Hettiarachchi, M.** and T.M.S. Tennakoon (1993). Preliminary study on the food of *Monodactylus argenteus* in Negombo estuary. Proceedings of the 49th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers p. 171.
80. **Hettiarachchi, M** (1993). A feasibility study for the culture of tiger prawn, *Penaeus monodon* in earthen ponds adjoining Negombo estuary. Proceedings of the 49th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers pp. 171-172
81. **Hettiarachchi, M.**, T.M.S. Tennakoon and H.H. Costa (1993). Experimental study on the culture of the catadromous ornamental fish *Monodactylus argenteus* in net pens. Proceedings of the 49th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers pp. 168-169.
82. **Hettiarachchi, M** (1991). Efficacy of human chorionic gonadotropin and crude pituitary extract of fish and frog in oocyte maturation and ovulation in African catfish, *Clarias gariepinus* and *C. anguillaris*. Proceedings of the 47th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers, p. 108.
83. **Hettiarachchi, M** (1991). Effect of light on mortality and growth of embryos, larvae and fry of catfish *Clarias gariepinus*. Proceedings of the 47th Annual Sessions of the Sri Lanka Association for the Advancement of Science. Abstracts of papers, p.107.