

# Thesis List

## MSc Theses 2006-2007

Caruana, S., The efficacy of selected crude plant extracts and bioflavonoids in controlling infections of *Saprolegnia parasitica* (Coker) (Saprolegniales; Fungi)

Clayburn, C.E., A monitoring programme for the Pacific oyster *Crassostrea gigas* focusing on environmental impact and growth, using BST longlines on the Solway Firth

Govindaraj, S.G., Sensitivity and accuracy of DNA microarray data analysis of Atlantic salmon (*Salmo salar*)

Hendron, C., An investigation into the accumulation of sediment under a conventional trestle system for the culture of the Pacific oyster *Crassostrea gigas* - a study at three sites at a farm in Loch Creran, Western Scotland

Hill, G.E.M., The activity of novel natural bioflavonoids against selected fish pathogens

Kimber, B., Development of GISAP waste dispersion model into an adaptable multi-spatial decision support system for the environmental regulations and site selection of fish cage aquaculture in Scotland

Kounna, C., An investigation into ammonia and pH control methods in marine fry air – transportation and potential use of a palletised system

Pantarella, E., Aquaponics in Howietoun

Reyes, I.R.D.A., Investigation into the negative role of ammonia and pH change in marine egg-larval transportation and methods for their control

Soewu, O., The suitability of *Panagrellus redivivus* as an alternative diet in larval rearing of *Macrobrachium rosenbergii* (De Man, 1879)

Towers, M.S., Does integrated mariculture present a sustainable solution to mitigating the environmental impacts generated from commercial aquaculture production systems?

Walton, J.M., Genetic markers for sex determination in Nile tilapia (*Oreochromis niloticus*)

Wynn-Jones, O., Assessment of live sea bass and sea bream fry counting equipment

## MSc Aquatic Pathobiology Theses 2006-2007

Broekman, D.C., Development of an enzyme-linked immunosorbent assay to assess serological responses in salmonids to antigens of *Renibacterium salmoninarum*

Chi, T.T.K., Prevalence of zoonotic trematodes in fish from a Vietnamese fish farming community

Monaghan, S., Feeding mechanisms of the copepod parasite: *Lernaeocera branchialis* (Linnaeus) on its intermediate and definitive hosts

Petropoulos, I.K., Effects of total substitution of dietary fish oil with a blend of vegetable oils on liver and peripheral blood leucocyte fatty acid composition, plasma prostaglandin E2 and cellular immune parameters in three genetic strains of Atlantic salmon (*Salmo salar*)

Tinsley, J., Assessment of the immune response of Arctic charr (*Salvelinus alpinus*) to the myxozoan parasite *Tetracapsuloides bryosalmonae*

## MSc Aquatic Veterinary Studies Theses 2006-2007

Andrews, R.L., Histopathology and scanning electron microscopy of rainbow trout (*Onchorhynchus mykiss*) gill tissue infected with *Ergasilus sieboldi* (Copepoda)

Hoare, J.E., Development of *in situ* hybridisation for the detection of Salmon Pancreas Disease Virus

Mazzanti, F., Light induced retinal damage in fish: Comparative study in Atlantic salmon, *Salmo salar* and cod, *Gadus morhua*

Mena, J.A.V., Identification, development and pathology of a myxosporean infection in farmed cod (*Gadus morhua*)

Schandorf, D.F.S., A study of the morphology, location and possible products of the glands associated with the feeding of the branchiuran fish parasite *Argulus foliaceus*

## PhD Theses 2007

Neary, J. P., Use of physical habitat structure to assess stream suitability for brown trout: A case study of three upland Scottish streams

Bundit J., The nutrition and feeding of a native Thai species, the marble goby *Oxyeleotris marmoratus* involving on-farm and experimental studies

Faruk-Ul-Islam, A.T.M., Self-recruiting species (SRS) in aquaculture: Their role in rural livelihoods in two areas of Bangladesh

Faruque, G., An exploration of impacts of aquaculture production and marketing on rural livelihoods in three regions in Bangladesh

Frake, K., The genetics of a managed Atlantic salmon stock and implications for conservation

Gallardo, J.C.M.V., Physical and linkage mapping of genetic markers and genes associated with sex determination in tilapia *Oreochromis spp*

Haque, M., Decentralised fish seed networks in Northwest Bangladesh: Impacts on rural livelihoods

Hartley-Alcocer, A.G., Tilapia as a global commodity: a potential role for Mexico?

Karalazos, V., Sustainable alternatives to fish meal and fish oil in fish nutrition: Effects on growth, tissue fatty acid composition and lipid metabolism

Kennedy, S.R., Bioactive fatty acids as dietary supplements for farmed fish: Effects on growth performance lipid metabolism, gene expression and immune parameters

McKinley, G., The innate immune response of Atlantic salmon head kidney macrophages to Infectious Pancreatic Necrosis Virus (IPNV)

Morales, E., Self recruiting species in farmer managed aquatic systems: their importance to the livelihoods of the rural poor in Southeast Asia

Poobalane, S., *Aeromonas hydrophila* vaccine development using immunoproteomics

Williams, C., Impact assessment of non-native parasites in freshwater fisheries in England and Wales

