



MSc Aquaculture 2002-2003 graduates

MSc Aquaculture

Penelope Beaton

Aquatic self-recruiting species in rural livelihoods, Cambodia

Maria Bril

Effect of rotifer enrichment diets on survival and growth performance of pez blanco (*Chirostoma estor estor*) larvae

Adam Brooker

Development and integration of waste dispersion models for cage aquaculture within the GIS framework

Simon Camp

Investigation into the existence of putative sex chromosomes in the Atlantic halibut, *Hippoglossus hippoglossus*, by molecular, synaptonemal complex and mitotic chromosome analysis

Athanasios Chantzarpoulos

Egg and larval quality of the Atlantic salmon, *Salmo salar*: effects of photoperiod, temperature and vaccination

Melvin Chow

Information technology needs of a halibut hatchery: A case study

Neil Clarke

The effects of conjugated linoleic acid (CLA) on lipid metabolism and immune function in juvenile rainbow trout (*Oncorhynchus mykiss*)

María Dolores Gavino-Nadal

Evaluation of the ability of a new aquaculture species (*Dentex dentex*) to degrade various dietary proteins using *in vitro* technique

Alison Graham

The effects of dietary chromium on stress in Pez Blanco (*Chirostoma estor estor* L)

Matthew Heeps

The effects of different methods of disinfection on haddock (*Melanogrammus aeglefinus*) egg survival and subsequent larval performance

Ronnie Henderson

The use of degenerate PCR for the isolation of selected genes in larvae of the salmon louse *Lepeophtheirus salmonis* (Krøyer, 1837)

Catherine Lecouffe

The role of mud crab farming (*Scylla paramamosain* Estapampador, 1949) in coastal resettlement areas of Vinh Chau district, lower Mekong delta, Vietnam.

Farah Manji

Development and characterisation of monoclonal antibodies against sturgeon IgM

Ariel David Margolis Bourcart

Evaluation of the water disinfection capacity of the ionic accelerator filter in comparison with the effectiveness of ultraviolet irradiation and ozone systems

Gavin McKinley

Detection of aquatic *Mycobacterium* spp. in ornamental fish using non-destructive sampling techniques

Jose Cuitlahuac Mota Velasco Gallardo

Sex identification in *Oreochromis niloticus* L. by sex-linked DNA markers and progeny-testing

Manolis Perrakis

Identification, distribution and utilisation of *Tilapia* spp. of the Pongolo floodplain, South Africa

Patrick Reynolds

Environmental benefits of interactive feedback feeding systems in marine cage culture

Maria Margarida Saavedra

Effects of methyl parathion on the heartbeat and gut movements of the white shrimp, *Litopenaeus vannamei* (Boone, 1931)

Jarin Sawanboonchun

The effect of different live feed commercial enrichments on cod (*Gadus morhua* L.) and haddock (*Melanogrammus aeglefinus*) larval performance

Maria Sefteli

The development of a preliminary GIS model for evaluation of inland aquaculture in Michoacan, Mexico

David Whitaker

An investigation into the early life history of Atlantic cod (*Gadus morhua* L.) under hatchery conditions

Laurence Wilkinson

Characterisation and application of monoclonal antibodies raised against *Flavobacterium psychrophilum*, the causative agent of rainbow trout fry syndrome

NICOLA HASTINGS, a Ph.D. student within the Institute of Aquaculture under the supervision of Prof. Alan Teale and Dr. Douglas Tocher, was awarded £1500 by the Scottish International Education Trust. The award was made to Miss Hastings as a follow-on to a NERC Studentship to provide financial support during the writing of her Ph.D. thesis. The award is open to any student studying at a Scottish University and details can be found in the University library.

PhD

Bryony Banks

Genetic characterisation of populations of the ectoparasitic copepod *Lepeophtheirus salmonis* (Kroyer 1837) in Scotland

Stuart Bell

Exocrine glands of the caligid copepod *Lepeophtheirus salmonis* (Kroyer 1837)

Stuart Bunting

A design and management approach for horizontally integrated aquaculture systems

Ricky Butler

In vitro modelling of the immunological interactions between the salmon louse, *L. salmonis*, and the Atlantic salmon *Salmo salar* (L.).

Rafael Campos Ramos

The synaptonemal complex and analysis of sex chromosomes in the genus *Oreochromis*

Dickson Chan

Development of a stereo imaging system for estimation of biomass of free-swimming fish

Polly Douglas

Studies on *Entobdella hippoglossi* (Muller, 1776) (Monogenea) and *Lepeophtheirus hippoglossi* (Kroyer, 1837) (Copepoda); ectoparasites of Atlantic halibut (*Hippoglossus hippoglossus* L., 1758)

Tariq Ezaz

Analysis of sex determination in Nile tilapia (*Oreochromis niloticus* L.): a molecular genetics approach

Philip Lewis

The morphology and function of the peritoneum in lower vertebrates with special reference to teleosts

Carlos Mazorra De Quero

The management of broodstock Atlantic halibut (*Hippoglossus hippoglossus*) and the

influence of nutrition, holding conditions and hormonal manipulation of spawning on gamete quality

Ruth McWilliam

Toxic anorexia in *Daphnia magna* (Straus) as an *in situ* indicator of the ecological impacts of pollutants

Charles Mahika

A culture-based conservation strategy for the endangered tilapia *Oreochromis variabilis* (Boulenger, 1906) in the Lake Victoria Basin - Tanzania

David Miles

Studies on host responses to *Aphanomyces invadens*

Oscar Perez Martinez

GIS-based models for optimisation of marine cage aquaculture in Tenerife, Canary Islands

Eunice Perez Sanchez

Coastal aquaculture and resources management in the Mecoacan estuary, Tabasco, Mexico

Nirattisai Petchsupa

Studies on proliferative kidney disease with particular reference to vaccine development.

Abdus Salam

The potential of geographical information system based modelling for aquaculture development and management in south western Bangladesh

Emine Turgut

Characterisation and detection of *Renibacterium salmoninarum* cultured *in vivo* and *in vitro*

MD Zulfikar Ali

Dietary protein and energy interactions in African catfish *Clarias gariepinus* (Burchell, 1822)

GRUDGE

