

Publications

Barrero, M., B. Small, L. R. D'Abramo, L. Hanson, and A. M. Kelly. 2007. Comparison of estradiol, testosterone, vitellogenin and cathepsin profiles among two-year-old channel catfish (*Ictalurus punctatus*) females from four selectively bred strains. *Aquaculture* 264:390-397.

Barrero, M., B. C. Small, L. R. D'Abramo, G. C. Walbieser, L. A. Hanson, and A. M. Kelly. Effect of carp pituitary extract and luteinizing releasing hormone on reproductive steroids, cathepsins, and incidence of spawning in young adult channel catfish. *North American Journal of Aquaculture*, in press.

Quintero, H. E., A. Abebe, and D. A. Davis. 2007. Zero inflated discrete statistical models for fecundity data analysis in channel catfish, *Ictalurus punctatus*. *Journal of World Aquaculture Society*. 38(2): 175-187.

Quintero, H. E., D. A. Davis and A. Abebe. 2007. Logit models for evaluation of spawning channel catfish (*Ictalurus punctatus*). *Aquaculture Research*. 38(6):635-644.

Small, B. C. and N. Chatakondi. 2006. Efficacy of formalin as an egg disinfectant for improving hybrid catfish (*Ictalurus punctatus* I. *furcatus*) hatching success. *North American Journal of Aquaculture* 68:9-13.

Dissertations and Theses

Ballenger, J. C. 2007. Genetic effects on the production of channel catfish (*Ictalurus punctatus*) female blue catfish (*Ictalurus furcatus*) male hybrid fry. M.S. Thesis, Auburn University, AL.

Barrero-Monzon, M. 2005. Plasma steroid and vitellogenin concentrations and activity of cathepsins during oocyte maturation, and the influence of hormone injection in four commercial strains of channel catfish (*Ictalurus punctatus*) Ph.D. Dissertation. Mississippi State University, Starkville, MS.

Durland, E.R. 2007. An evaluation of natural and artificial dietary lipid sources on egg quality and fry production in channel catfish ♀ blue catfish ♂ hybridization. M.S. Thesis, Auburn University, AL.

Hutson, A.M. 2006. Evaluation of LHRHa implants and injections on the production of channel catfish (*Ictalurus punctatus*) female blue catfish (*Ictalurus furcatus*) male fry. M.S. Thesis, Auburn University, AL.

Kristanto, A. H. 2004. Evaluation of various factors to increase the efficiency of channel blue hybrid catfish embryo production. Ph.D. Dissertation. Auburn University, AL.

Quintero, H. 2007. Brood stock nutrition: enhancement of egg quality for the production of channel catfish ♀ blue catfish ♂ hybridization. PhD Dissertation, Auburn University, AL.

Umali, G.M. 2007. The economic significance of aquatic biotechnology in the production of channel catfish (*Ictalurus punctatus*) female blue catfish (*I. furcatus*) male hybrid (CB hybrid) embryos. PhD Dissertation, Auburn University, AL.

Presentations

Ballenger, J., A. Hutson, D. Beam, G. Umali, A. Kristanto, M. Trask, M. Templeton, A. Davis, H. Quintero, F. Wang and R. A. Dunham. 2005. Effect of genetics on channel-blue hybrid catfish embryo production. Special Session-Hybrid Catfish Reproduction. World Aquaculture Society Meeting. New Orleans, LA. January 2005.

Barrero, M. L., L. D'Abramo, A. M. Kelly, L. A. Hanson, B. C. Small. 2005. Plasma steroid, cathepsin activity and egg size and protein content during in vivo oocyte maturation in four strains of channel catfish broodstock. Special Session-Hybrid Catfish Reproduction. World Aquaculture Society Meeting. New Orleans, LA. January 2005.

Baumgarner B.L. and T. R. Tiersch. 2006. Comparing reproductive performance of channel catfish females induced to spawn before and during the natural spawning season. WAS Aquaculture America 2006, February 14-16, 2006, Las Vegas, NV.

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