

Cortney L. Ohs

University of Florida
Institute of Food and Agricultural Sciences
School of Forest Resources and Conservation
Program in Fisheries and Aquatic Sciences

Indian River Research and Education Center
2199 South Rock Road, Fort Pierce FL 34945-3138 USA
Phone: 772-468-3922 ext. 130
Website: <http://irrec.ifas.ufl.edu/Aquaculture/index.html>
Email: cohs@ufl.edu

EDUCATION

Doctorate of Philosophy in Wildlife and Fisheries Science / Aquaculture 2003
Mississippi State University Department of Wildlife and Fisheries

Dissertation Title: Development of Methodology to Control Gender Differentiation and Male Morphotypic Expression in the Freshwater Prawn *Macrobrachium rosenbergii*.

Masters of Science in Wildlife and Fisheries Ecology / Aquaculture 1995
Mississippi State University Department of Wildlife and Fisheries

Thesis Title: The development and evaluation of a spray-dried artificial diet for larval culture of freshwater prawn (*Macrobrachium rosenbergii*), hybrid striped bass (*Morone saxatilis* x *M. chrysops*) and striped bass (*M. saxatilis*).

Bachelors of Science in Biology 1992
Nebraska Wesleyan University
Minors in English Composition, Chemistry, Physics

Tropical Marine Biology Summer Field Course
Oklahoma State University San Salvador Island, Bahamas 1991

PROFESSIONAL EXPERIENCE

2011 - Present University of Florida, School of Forest Resources and Conservation Program in Fisheries and Aquatic Sciences, Indian River Research and Education Center, Associate Professor
2005 - 2011 University of Florida, Department of Fisheries and Aquatic Sciences, Indian River Research and Education Center, Assistant Professor
2003 - 2005 Southern Illinois University, Office of Economic and Regional Development, Fisheries and Illinois Aquaculture Center, Assistant Scientist
1996 - 2003 Mississippi State University Department of Wildlife and Fisheries, National Warmwater Aquaculture Center Eastern Research Unit, Aquaculture Research Associate I - II
1993 - 1995 Mississippi State University/MAFES Aquaculture Research Unit, Graduate Research Assistant

PUBLICATIONS

Refereed Publications: Total = 27

DiMaggio, M.A., C.L. Ohs, J.S. Broach, T.D. Sink. 2014. Effects of stocking density on growth, survival, and stress physiology of pigfish. *North American Journal of Aquaculture* 76:201-210.

DiMaggio, M.A., J.S. Broach, C.L. Ohs. 2013. Evaluation of Ovaprim and human chorionic gonadotropin doses on spawning induction and egg and larval quality of pinfish, *Lagodon rhomboides*. *Aquaculture* 414-415: 9-18.

C.L. Ohs, M.A. DiMaggio, S.W. Grabe, J.S. Broach, C.A. Watson, N.E. Breen, F.T. Barrows. 2013. The effects of increasing docosahexaenoic acid (DHA) and arachidonic acid (ARA) in brood diets of *Monodactylus sebae* on fecundity, egg and larval quality, and egg fatty acid composition. *North American Journal of Aquaculture* 75:285-294.

DiMaggio, M.A., J.S. Broach, C.L. Ohs, and S.W. Grabe. 2013. Captive volitional spawning and larval rearing of pigfish, *Orthopristis chrysoptera*. *North American Journal of Aquaculture* 75:109–113.

Cassiano, E.J., C.L. Ohs, M.A. DiMaggio. 2012. Stress survival in larvae of Florida pompano (*Trachinotus carolinus*) fed enriched rotifers (*Brachionus plicatilis*) and nauplii of the calanoid copepod (*Pseudodiaptomus pelagicus*). *The Israeli Journal of Aquaculture - Bamidgah* 64:793-800.

Cassiano, E.J., C.L. Ohs, C.R. Weirich, N.E. Breen, and A.L. Rhyne. 2011. Evaluation of larval Florida pompano, *Trachinotus carolinus*, fed nauplii of the calanoid copepod *Pseudodiaptomus pelagicus*. *North American Journal of Aquaculture* 73: 114-123.

Ohs, C.L., A.L. Rhyne, S.W. Grabe, M.A. DiMaggio, and E. Stenn. 2010. Effects of salinity on reproduction and survival of the Calanoid copepod *Pseudodiaptomus pelagicus*. *Aquaculture* 307: 219-224.

Ohs, C.L., K.A. Chang, S.W. Grabe, M.A. DiMaggio, and E. Stenn. 2010. Evaluation of dietary microalgae for culture of the Calanoid copepod *Pseudodiaptomus pelagicus*. *Aquaculture* 307: 225-232.

D'Abramo, L. R., T. Hanson, and C.L. Ohs. 2010. Pelleted sources of nutrition for the low input farming of the freshwater prawn *Macrobrachium rosenbergii* in earthen ponds. *Journal of the World Aquaculture Society* 41: 841-857.

DiMaggio, M.A., C.L. Ohs, and B.D. Petty. 2010. Evaluation of a point-of-care blood analyzer for use in determination of select hematological indices in the Seminole killifish. *North American Journal of Aquaculture* 72: 261-268.

DiMaggio, M.A., S.W. Grabe, S.M. DeSantis, and C.L. Ohs. 2010. Induced volitional spawning and larval rearing of pinfish, *Lagodon rhomboides*. *North American Journal of Aquaculture* 72: 252-257.

- DiMaggio, M.A., C.L. Ohs, S.W. Grabe, B.D. Petty, and A.L. Rhyne. 2010. Osmoregulatory evaluation of *Fundulus seminolis* following gradual seawater acclimation. *North American Journal of Aquaculture* 72: 124-131.
- Ohs, C.L., S.W. Grabe, S.M. DeSantis, M.A. DiMaggio, and A.L. Rhyne. 2010. Culture of pinfish (*Lagodon rhomboides*) at different stocking densities and salinities in recirculating aquaculture systems. *North American Journal of Aquaculture* 72: 132-140.
- DiMaggio, M.A., C.L. Ohs, and B.D. Petty. 2009. Salinity tolerance of the Seminole killifish, *Fundulus seminolis*, a candidate species for marine baitfish aquaculture. *Aquaculture* 293: 74-80.
- Rhyne, A.L., C.L. Ohs, and E. Stenn. 2009. Effects of temperature on reproduction and survival of the calanoid copepod *Pseudodiaptomous pelagicus*. *Aquaculture* 292: 53-59.
- Ohs, C.L., A.L. Rhyne, and E. Stenn. 2009. Viability of subitaneous eggs of the calanoid copepod, *Acartia tonsa* (Dana), following exposure to various cryoprotectants and hypersaline water. *Aquaculture* 287: 114-119.
- DiMaggio, M.A., B.D. Petty, and C.L. Ohs. 2008. The parasitic fauna of the Seminole Killifish, *Fundulus seminolis*, from Lake George, Florida. *Bulletin of the European Association of Fish Pathologists* 28(6): 236-242.
- Ohs, C.L. and L.R. D'Abramo. 2006. Comparison of early season versus late season trap schedules for harvest of Red Swamp Crawfish *Procambarus clarkii* cultured in earthen ponds without planted forage. *Journal of Shellfish Research* 25(2): 561-564.
- Ohs, C.L., L.R. D'Abramo, and A.M. Kelly. 2006. Evaluation of dietary administration of 17α -methyltestosterone to freshwater prawn *Macrobrachium rosenbergii* as a means to control sexual differentiation. *Journal of the World Aquaculture Society* 37(3): 328-333.
- Ohs, C.L., L.R. D'Abramo, L. Petrie-Hanson, and A.M. Kelly. 2006. Apparent control of sexual differentiation of freshwater prawn *Macrobrachium rosenbergii* through dietary administration of dopamine hydrochloride. *Journal of Applied Aquaculture* 18(4): 19-32.
- D'Abramo, L.R., C.L. Ohs, and K.C.E. Elgarico. 2006. Effect of added substrate on production of red swamp crawfish (*Procambarus clarkii*) in earthen ponds without planted forage. *Journal of the World Aquaculture Society* 37(3): 307-312.
- D'Abramo, L.R., C.L. Ohs, and T.R. Hanson. 2004. Effect of stocking weight and stocking density on production of hybrid striped bass (sunshine) in earthen ponds in the second phase of a 2-phase system. *Journal of the World Aquaculture Society* 35(1): 33-45.
- D'Abramo, L. R., C.L. Ohs and K.C. Elgarico. 2003. Production of red swamp crawfish (*Procambarus clarkii*) in earthen ponds without planted forage: Evaluation of trap and seine harvest strategies. *Journal of Shellfish Research* 22(2): 527-531.
- D'Abramo, L.R., and C.L. Ohs. 2003. Production of red swamp crawfish (*Procambarus clarkii*) in earthen ponds without planted forage: establishment, maintenance, and harvest of populations. *Journal of*

Shellfish Research 22(2): 521-525.

Kovalenko, E.E., L.R. D'Abramo, C.L. Ohs, and R.K. Buddington. 2002. A successful microbound diet for the larval culture of freshwater prawn (*Macrobrachium rosenbergii*). Aquaculture 210(1-4): 385-395.

D'Abramo, L.R., C.L. Ohs, T.R. Hanson, and J.B. Taylor. 2002. Production and Economic Analysis of two-phase and three-phase culture of sunshine bass in earthen ponds. North American Journal of Aquaculture 64(2): 103-112.

D'Abramo, L.R., C.L. Ohs, and J.B. Taylor. 2000. Effects of reduced levels of dietary protein and menhaden fish meal on production, dressout and biochemical composition of phase III sunshine bass (*Morone chrysops* x *M. saxatilis*) cultured in earthen ponds. Journal of the World Aquaculture Society 31: 316-325.

Ohs, C.L., L.R. D'Abramo, R.K. Buddington, H.R. Robinette, J.M. Roethke. 1998. Evaluation of a spray-dried artificial diet for larval culture of freshwater prawn, *Macrobrachium rosenbergii*, and striped bass, *Morone saxatilis*. Aquaculture Nutrition 4: 73-82.

Submitted Refereed Publications: Total = 2

Onjukka, L.M.V, C L. Ohs, M.A. DiMaggio, J.S. Broach. Effects of Brood Density and Salinity on the Egg Production of Seminole Killifish, *Fundulus seminolis*. Submitted to North American Journal of Aquaculture.

Ohs, C.L., M.A. DiMaggio, E. Stenn, N.E. Breen, A.L. Rhyne. Effects of Dietary Microalgae on the Size and Fatty Acid Composition of the Calanoid Copepod *Pseudodiaptomus pelagicus*. Submitted to Aquaculture.

Books, Contributor of Chapters: Total = 2

Phillips, H., T. Hanson, S. Dasgupta, and C. Ohs. 2009. Chapter 19: Marketing and Preparation for Consumption. In M.B. New and W.C. Valenti (Eds.). Freshwater Prawn Culture. pp. 420-447. Blackwell Scientific Publishing, Oxford, UK.

D'Abramo, L.R., C.L. Ohs. 2005. Management practices for production of the red swamp crayfish *Procambarus clarkii* in earthen ponds without planted forage. In A.M. Kelly and J. Silverstein (Eds.). Aquaculture in the 21st Century. American Fisheries Society Symposium 46: 171-178. American Fisheries Society, Bethesda, MD.

Peer Reviewed USDA Southern Regional Aquaculture Center Extension/Outreach Publications: Total = 5

Ohs, C.L., M.A. DiMaggio, and S.W. Grabe. 2011. Species profile: pinfish, *Lagodon rhomboides*. Southern Regional Aquaculture Center. SRAC Publication No. 7210.

Ohs, C.L., M.A. DiMaggio, and S.W. Grabe. 2011. Species profile: pigfish, *Orthopristis chrysoptera*. Southern Regional Aquaculture Center. SRAC Publication No. 7209.

Zajicek, P.W., J.E. Hill, N. Stone, H. Thomforde, C. Ohs, D. Cooper, G. Flimlin, B. McLane, and W.D. Anderson. 2009. Preventing hitchhiking nonindigenous species in live shipments. USDA Southern Regional Aquaculture Center Publication Number 3902.

D'Abramo, L.R., J.H. Tidwell, M. Fondren, and C.L. Ohs. 2006. Pond Production of the Freshwater Prawn in Temperate Climates. USDA Southern Regional Aquaculture Center Publication Number 484.

D'Abramo, L.R., C. L. Ohs, T.R. Hanson, and J.L. Montanez. 2004. Semi-intensive production of red swamp crawfish in earthen ponds without planted forage. USDA Southern Regional Aquaculture Center Publication Number 2401.

Peer Reviewed Florida Sea Grant Extension/Outreach Publications: Total = 1

Ohs, C.L., R.L. Creswell, M.A. DiMaggio. 2013. Growing marine baitfish: A guide to Florida's common baitfish and their potential for aquaculture. Florida Sea Grant SGEB 69. 30 p. (http://www.flseagrant.org/images/PDFs/sgeb69_growing_marine_baitfish.pdf)

Peer Reviewed University of Florida Extension/Outreach Publications via the Electronic Data Information Source (EDIS): Total = 19

Ohs, C.L., S.W. Grabe, and M.A. DiMaggio. 2010. Candidate species for Florida aquaculture: Pinfish *Lagodon rhomboides*. University of Florida/IFAS EDIS Publication FA168. (<http://edis.ifas.ufl.edu/fa168>)

Livengood, E.J., C.L. Ohs, and F.A. Chapman. 2010. Candidate species for Florida aquaculture: Discus *Symphysodon spp.* a profitable but challenging species for Florida aquaculture. University of Florida/IFAS EDIS Publication FA166. (<http://edis.ifas.ufl.edu/fa166>)

Ohs, C.L., R.L. Creswell, A.L. Garr, C.V. Martinez, B.E. Myers, E.J. Livengood, C.S. Kasper, and F.A. Chapman. 2010. Teach Aquaculture Curriculum: Introduction. University of Florida/IFAS EDIS Publication FA177. (<http://edis.ifas.ufl.edu/fa177>)

Livengood, E.J., C.L. Ohs, A.L. Garr, R.L. Creswell, C.V. Martinez, C.S. Kasper, B.E. Myers, and F.A. Chapman. 2010. Teach Aquaculture Curriculum: Dancing with Brine Shrimp. University of Florida/IFAS EDIS Publication FA176. (<http://edis.ifas.ufl.edu/fa176>)

Creswell, R.L., C.L. Ohs, C.S. Kasper, C.V. Martinez, E.J. Livengood, A.L. Garr, F.A. Chapman, and B.E. Myers. 2010. Teach Aquaculture Curriculum: Spawning & Rearing Bivalve Molluscs: Larval Culture. University of Florida/IFAS EDIS Publication FA175. (<http://edis.ifas.ufl.edu/fa175>)

Creswell, R.L., C.L. Ohs, C.S. Kasper, E.J. Livengood, A.L. Garr, B.E. Myers, C.V. Martinez, and F.A. Chapman. 2010. Teach Aquaculture Curriculum: Spawning & Rearing Bivalve Molluscs: Spawning. University of Florida/IFAS EDIS Publication FA174. (<http://edis.ifas.ufl.edu/fa174>)

Garr, A.L., C.L. Ohs, C.S. Kasper, R.L. Creswell, F.A. Chapman, B.E. Myers, E.J. Livengood, and C.V. Martinez. 2010. Teach Aquaculture Curriculum: Anatomy of a Fish. University of Florida/IFAS EDIS Publication FA173. (<http://edis.ifas.ufl.edu/fa173>)

Kasper, C.S., C.L. Ohs, B.E. Myers, F.A. Chapman, A.L. Garr, R.L. Creswell, C.V. Martinez, and E.J. Livengood. 2010. Teach Aquaculture Curriculum: What Makes a Good Fish Food? University of Florida/IFAS EDIS Publication FA172. (<http://edis.ifas.ufl.edu/fa172>)

Martinez, C.V., C.L. Ohs, B.E. Myers, E.J. Livengood, C.S. Kasper, A.L. Garr, R.L. Creswell, and F.A. Chapman. 2010. Teach Aquaculture Curriculum: Chlorine: Friend or Foe? University of Florida/IFAS EDIS Publication FA171. (<http://edis.ifas.ufl.edu/fa171>)

Ohs, C.L., A.L. Garr, R.L. Creswell, E.J. Livengood, B.E. Myers, C.V. Martinez, F.A. Chapman, C.S. Kasper. 2010. Teach Aquaculture Curriculum: How Big is That Pond? University of Florida/IFAS EDIS Publication FA170. (<http://edis.ifas.ufl.edu/fa170>)

Garr, A.L., C.L. Ohs, B.E. Myers, C.S. Kasper, R.L. Creswell, F.A. Chapman, C.V. Martinez, and E.J. Livengood. 2010. Teach Aquaculture Curriculum: Fish Eating Contest. University of Florida/IFAS EDIS Publication FA169. (<http://edis.ifas.ufl.edu/fa169>)

Ohs, C.L., E.J. Cassiano, A.C. Rhodes. 2009. Choosing a live feed for culture of larval marine organisms. University of Florida/IFAS EDIS Publication FA167. (<http://edis.ifas.ufl.edu/fa167>)

Cassiano, E.J., C.L. Ohs, J.E. Hill. 2009. Candidate species for Florida aquaculture: Pigfish, *Orthopristis chrysoptera*. University of Florida/IFAS EDIS Publication FA160. (<http://edis.ifas.ufl.edu/fa160>)

Smajstrla, A.G., M.E. Griggs, A.M. Lazur, J.A. Hill, and C.L. Ohs. 2008. Stormwater detention and discharge from aquaculture ponds in Florida. University of Florida/IFAS EDIS Publication FA334. (<http://edis.ifas.ufl.edu/fa158>)

Ohs, C.L., C. Miller, R.L. Creswell. 2008. Candidate Species for Florida Aquaculture: Hybrid Striped Bass. University of Florida/IFAS EDIS Publication FA149. (<http://edis.ifas.ufl.edu/fa149>)

Creswell, R.L., C.L. Ohs, and C.L. Miller. 2007. Candidate Species for Florida Aquaculture: Atlantic Croaker, *Micropogonias undulatus*. University of Florida/IFAS EDIS Publication FA148. (<http://edis.ifas.ufl.edu/fa148>)

Miller, C.L., C.L. Ohs, R.L. Creswell. 2007. Candidate Species for Florida Aquaculture: Caribbean Spiny Lobster, *Panulirus argus*. University of Florida/IFAS EDIS Publication FA147. (<http://edis.ifas.ufl.edu/fa147>)

Ohs, C.L. and R.L. Creswell. 2007. Candidate Species for Florida Aquaculture: Evaluating an Aquatic Organism's Aquaculture Potential. University of Florida/IFAS EDIS Publication FA146. (<http://edis.ifas.ufl.edu/fa146>)

Ohs, C.L., S.W. Grabe, and R.L. Creswell. 2005. Utilizing a Fish Pump for Harvesting Shrimp from Tanks and Ponds. University of Florida/IFAS EDIS Publication FA123. (<http://edis.ifas.ufl.edu/fa123>)

Trade Journal Articles: Total = 1

Ohs, C.L. 2006. Trials test effects of hormone-supplemented feed on sex reversal of freshwater prawns. *Global Aquaculture Advocate*. November 2006.

Peer Reviewed State Extension Publications: Total = 2

D'Abramo, L.R., C.L. Ohs, M.W. Fondren, J. Steeby, and B. Posadas. 2003. Culture of freshwater prawn (*Macrobrachium rosenbergii*) in temperate climates. Mississippi Agricultural and Forestry Experiment Station Bulletin 1138.

D'Abramo, L.R., C.L. Ohs, T.R. Hanson, and J.L. Montanez. 2002. Production of the red swamp crayfish *Procambarus clarkii* in earthen ponds without planted forage: management practices and economics. Mississippi Agricultural and Forestry Experiment Station Bulletin 1115.

SCIENTIFIC ABSTRACTS: Total = 61

DiMaggio, M., J. Broach, and C. Ohs. 2013. Evaluation of ovaprim and human chorionic gonadotropin doses on spawning induction and egg and larval quality of pigfish *Orthopristis chrysoptera*. Aquaculture 2013. Nashville, TN. p. 276.

Ohs, C., M. DiMaggio, A. Beany, and C. Adams. 2013. Evaluation of recreational angler perception and demand for cultured marine baitfish in Florida. Aquaculture 2013. Nashville, TN. p. 801.

Broach, J., C. Ohs, M. DiMaggio, G. Wallat, and S. Grabe. 2013. Effects of egg incubation density on larval quality and morphometrics for pinfish *Lagodon rhomboides* and pigfish *Orthopristis chrysoptera*. Aquaculture 2013. Nashville, TN. p. 134.

Broach, J., C. Ohs, M. DiMaggio, A. Beany, A. Palau, and S. Grabe. 2013. Effects of commercial rotifer enrichments and rotifer feeding density during larval culture of pigfish *Orthopristis chrysoptera*. Aquaculture 2013. Nashville, TN. p. 135.

DiMaggio, M., J. Broach, C. Ohs, and T. Sink. 2013. Effect of stocking density on growth, survival, and stress physiology of pigfish *Orthopristis chrysoptera*. Aquaculture 2013. Nashville, TN. p. 275.

DiMaggio, M., J. Broach, and C. Ohs. 2013. Evaluation of ovaprim and human chorionic gonadotropin doses on spawning induction and egg and larval quality of pinfish *Lagodon rhomboides*. Aquaculture 2013. Nashville, TN. p. 274.

Ohs, C., A. Palau, M. DiMaggio, and J. Broach. 2013. Effects of various salinities and temperatures on hatching success and survival of larval ballyhoo *Hemiramphus balao*. Aquaculture 2013. Nashville, TN. p. 800.

DiMaggio, M., C. Ohs, A. Palau, and J. Broach. 2013. Evaluation of culture techniques and spawning substrates for ballyhoo *Hemiramphus balao*. Aquaculture 2013. Nashville, TN. p. 273.

Garr, A., S. Laramore, C. Ohs, and B. Myers. 2013. Aquaculture in action part 1: Evaluation of the teach aquaculture curriculum. Aquaculture 2013. Nashville, TN. p. 391.

Ohs, C., L. Creswell, M. DiMaggio, J. Broach, A. Beany, and G. Wallat. 2013. Culture methods for commercially viable marine baitfishes in the southeastern United States. Aquaculture 2013. Nashville, TN. p. 802.

O'Malley, P.O., A. Palau, C. Ohs, L. D'Abramo, and C. Green. 2013. Feeding larval gulf killifish *Fundulus grandis*: Utilizing a transitional feeding regime of live and artificial feeds. Aquaculture 2013. Nashville, TN. p. 429.

Ohs, C. L., L.M.V. Onjukka, M.A. DiMaggio, J.S. Broach. 2012. Current Status of the culture of the Seminole killifish *Fundulus seminolis* as a freshwater and marine baitfish. Aquaculture America 2012. Las Vegas, NV. p. 345.

Broach, J.S., M.A. DiMaggio, C.L. Ohs, A.H. Beany, N.E. Breen, A.L. Rhyne, S.M. DeSantis, S.W. Grabe. 2012. Egg and larval characteristics from repeated induced volitional spawns of pigfish *Orthopristis chrysoptera*. Aquaculture America 2012. Las Vegas, NV. p. 73.

Broach, J.S., C.L. Ohs, M.A. DiMaggio, S.M. DeSantis, L.M.V. Onjukka, A.H. Beany, S.W. Grabe, C.A. Watson, R. Barrows, N.E. Breen. 2012. Effect of brood diets supplemented with increased levels of essential fatty acids on spawning performance of *Monodactylus sebae*. Aquaculture America 2012. Las Vegas, NV. p. 74.

DiMaggio, M.A., C.L. Ohs, A.H. Beany, C.M. Adams. 2012. Evaluation of market potential for aquacultured marine baitfish in Florida. Aquaculture America 2012. Las Vegas, NV. p. 126.

DiMaggio, M.A., C.L. Ohs, J.S. Broach, S.W. Grabe. 2012. Captive volitional spawning and larval rearing of pigfish *Orthopristis chrysoptera*. Aquaculture America 2012. Las Vegas, NV. p. 127.

Ohs, C.L., M.A. DiMaggio, S.M. DeSantis, J.S. Broach, L.M.V. Onjukka, A.H. Beany, S.W. Grabe, C.A. Watson, R. Barrows. 2011. Evaluation of spawning performance of *Monodactylus sebae* fed brood diets supplemented with increased levels of essential fatty acids. Aquaculture 2011. New Orleans, LA. p. 332.

Ohs, C.L., R.L. Creswell, M.A. DiMaggio. Plan for the implementation of an extension program to develop the marine baitfish aquaculture industry in Florida. Aquaculture 2011. New Orleans, LA. p. 333.

DiMaggio, M.A., S.M. DeSantis, S.W. Grabe, A.H. Beany, C.L. Ohs. 2011. Protracted induced volitional spawning of pigfish *Orthopristis chrysoptera* a common marine baitfish species. Aquaculture America 2011. New Orleans, LA. p. 123.

Onjukka, L.M.V., J.S. Broach, C.L. Ohs. 2011. Spawning success of *Fundulus seminolis* in tanks at various densities and salinities. Aquaculture America 2011. New Orleans, LA. p. 336.

Cassiano, E.J., C.L. Ohs, C.R. Weirich. 2010. Improvements in growth, survival, and stress resistance of Florida pompano *Trachinotus carolinus* larvae fed the calanoid copepod *Pseudodiaptomus pelagicus*. Aquaculture 2010. San Diego, CA.

Ohs, C.L., K.A. Chang, S.W. Grabe, S. DeSantis, M.A. DiMaggio. 2010. Evaluation of dietary microalgae for culture of the calanoid copepod *Pseudodiaptomus pelagicus*. Aquaculture 2010. San Diego, CA.

DiMaggio, M.A., S.W. Grabe, S.M. DeSantis, E.J. Cassiano, C.L. Ohs. 2010. Induced volitional spawning and larval rearing of pinfish *Lagodon rhomboides* and pigfish *Orthopristis chrysoptera*. Aquaculture 2010. San Diego, CA.

- Ohs, C.L., S.W. Grabe, S.M. DeSantis, and M.A. DiMaggio. 2009. Culture of pinfish *Lagodon rhomboides* at different salinities in recirculating aquaculture systems. World Aquaculture 2009. Veracruz, Mexico. p. 620.
- DiMaggio, M., C.L. Ohs, B.D. Petty. 2009. Assessment of a point of care clinical blood analyzer for use in aquaculture research. World Aquaculture 2009. Veracruz, Mexico. p. 250.
- Garr, A.L., C. Ohs, F. Chapman, B. Myers, L. Creswell, C. Martinez, C. Miller, C. Kasper, M. Davis, and D. Hanisak. 2009. Development of an aquaculture immersion classroom curriculum for secondary schools. World Aquaculture 2009. Veracruz, Mexico. p. 340.
- Rhyne, A.L., E. Stenn, and C. Ohs. 2009. Are calanoid copepods the next bright light for marine ornamental hatcheries? World Aquaculture 2009. Veracruz, Mexico. p. 707.
- Rhyne, A.L., E. Stenn, and C. Ohs. 2009. Optimizing the culture characteristics of the marine calanoid copepod *Pseudodiaptomus pelagicus*, progress towards mass culture. World Aquaculture 2009. Veracruz, Mexico. p. 708.
- D'Abramo, L.R., T.R. Hanson, C.L. Ohs. 2009. Low cost, pelleted sources of nutrition for the low input farming of the freshwater prawn *Macrobrachium rosenbergii* in earthen ponds. World Aquaculture 2009. Veracruz, Mexico. p. 228.
- Ohs, C.L., S.W. Grabe, S. DeSantis, A. Rhyne, and M. DiMaggio. 2009. Successful culture of pinfish *Lagodon rhomboides* and pigfish *Orthopristis chrysoptera* in recirculating aquaculture systems at various stocking densities. Aquaculture America 2009. Seattle, WA. p. 251.
- Ohs, C.L., S.W. Grabe, S. DeSantis, and M. DiMaggio. 2009. Evaluation of spawning substrate preference of *Fundulus seminolis* cultured in tanks. Aquaculture America 2009. Seattle, WA. p.252.
- DiMaggio, M., C.L. Ohs, and B.D. Petty. 2009. Physiological evaluation of a candidate marine baitfish *Fundulus seminolis* following seawater acclimation. Aquaculture America 2009. Seattle, WA. p. 92.
- DiMaggio, M., C.L. Ohs, and B.D. Petty. 2009. Evaluation of a point of care blood analyzer for use in determination of select hematological indices in *Fundulus seminolis*. Aquaculture America 2009. Seattle, WA. p. 93.
- Cassiano, E.J., C.L. Ohs, C.R. Weirich, B.D. Petty, and J.E. Hill. 2009. Evaluation of larval Florida pompano *Trachinotus carolinus* fed the calanoid copepod *Pseudodiaptomus pelagicus*. Aquaculture America 2009. Seattle, WA. p. 53.
- DiMaggio, M., C.L. Ohs, B.D. Petty, and J.E. Hill. 2008. Salinity acclimation of *Fundulus seminolis* a candidate marine baitfish. Aquaculture America 2008. Orlando, FL. p. 495.
- DiMaggio, M., B.D. Petty, and C.L. Ohs. 2008. A parasite survey of *Fundulus seminolis* a candidate for marine baitfish aquaculture. Aquaculture America 2008. Orlando, FL. p. 496.
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- D'Abramo, L.R., and C.L. Ohs. 2003. Increase of mean individual harvest weight of freshwater prawns grown in earthen ponds through stocking of size-graded juveniles. *Aquaculture America* 2003. Louisville, KY. p. 65.
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- D'Abramo, L.R., W.H. Jun, and C.L. Ohs. 1999. Evaluation and development of a nutritionally complete egg albumin based microparticulate diet for the culture of fish and crustacean larvae. American Fisheries Society, Mississippi Chapter 1999. MSU, Mississippi.
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GRANTS FUNDED: Total = \$2,636,063

\$60,000. 2013-2014. USDA Southern Regional Aquaculture Center: Identification and removal of adhesive proteins from goldfish and baitfish eggs and egg masses. PI with Co-PIs C. Green, A.M. Kelly, and N. Stone.

\$78,429. 2012-2013. Florida Aquaculture Review Council: Aquaculture in Action: Enhancing the Teach Aquaculture Curriculum for the Novice Teacher. Co-PI with A. Garr, S. Laramore, and B. Myers.

\$60,000. 2011-2012. USDA Southern Regional Aquaculture Center: Egg destocking of bait and ornamental fishes. PI with Co-PIs C. Green, A.M. Kelly, and N. Stone.

\$500,000. 2011-2014. USDA Southern Regional Aquaculture Center: Reproduction and larval rearing of freshwater ornamental and marine baitfish. PI with Co-PIs C.A. Watson, C. Green, and R. Malone.

\$295,078. 2010-2013. NOAA Sea Grant Aquaculture Extension and Technology Transfer: Implementation of an Extension Program to Develop the Marine Baitfish Aquaculture Industry in Florida. PI with Co-PI R.L. Creswell.

\$38,015. 2010-2012. USDA Federal State Marketing Improvement Program: Market evaluation of pinfish, *Lagodon rhomboides*, a marine baitfish for the southeastern United States. PI with Co-PI M.A. DiMaggio.

\$2,000. 2010-2011. USDA Southern Regional Aquaculture Center: Species Profile – Pigfish. PI.

\$2,000. 2010-2011. USDA Southern Regional Aquaculture Center: Species Profile – Pinfish. PI.

\$5,000. 2010. Florida Sea Grant Program Development Grant: Dose Optimization of Human Chorionic Gonadotropin (HCG) for Induced Spawning of Pinfish. PI with Co-PI M.A. DiMaggio.

\$95,000. 2009-2010. Improving Reproductive Efficiency of Cultured Finfish. USDA Southern Regional Aquaculture Center. PI with Co-PI C.A. Watson.

\$312,493. 2008-9. Aquaculture Education for Florida Teachers. Florida Aquaculture Review Council. PI with Co-PIs F.A. Chapman, R.L. Creswell, C.V. Martinez, C.A. Miller, C. Kasper, and B. Myers.

\$164,513. 2008-9. Mass Scale Production of Copepods for Marine Aquaculture. Florida Aquaculture Review Council. PI with Co-PI A.L. Rhyne.

\$250,000. 2008-9. Indian River Aquaculture. Florida Department of Agriculture and Consumer Services. PI.

\$5,000. 2008. Marine Baitfish Aquaculture: Development of Controlled Spawning Protocols for Year Round Production of Pigfish. Florida Sea Grant Program Development Grant. Co-PI with A.L. Rhyne.

\$50,000. 2007-2008. Copepods: Development of Mass Production and Toxicity Assessment Protocols. IFAS Research Innovation. Florida Agriculture Experiment Station. Co-PI with P.C. Wilson.

\$1,000,000. 2006-2007. Planning, Innovation, and Expansion of the IFAS Aquaculture Research and Demonstration Facility in Fort Pierce. Florida Department of Agriculture and Consumer Services. PI

with Co-PI B.T. Scully.

\$250,000. 2006-2007. Continuing Support Funds for the IFAS Aquaculture Research and Demonstration Facility in Fort Pierce. Florida Department of Agriculture and Consumer Services. PI.

TEACHING

Instructor: Introduction to Aquaculture FAS 6932/4932 (University of Florida 2008, 2010, 2011, 2012, 2013, 2014)

Instructor: Fish and Crustacean Nutrition. FAS 6932/4932 (University of Florida 2008, 2010, 2014, 2014)

Instructor: Individual Study – Introduction to Aquaculture FAS 6905/2189 (University of Florida 2006)

Guest Lecturer: Crustacean Aquaculture BIO 4625 (Florida Institute of Technology 2006, 2007, 2008, 2009)

Guest Lecturer: Crustacean Aquaculture FAS 2150 (Indian River State College 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014)

Instructor: An Introduction to Aquaculture Through Distance Learning Zoo 485 (Southern Illinois University 2005)

Guest Lecturer (2 lectures): Comparative Endocrinology Zoo 426 (Southern Illinois University 2005)

Substitute Lecturer (7 lectures, 2 labs): Environmental Physiology of Fish Zoo 565 (Southern Illinois University 2004)

Laboratory Assistant: Crustacean and Molluscan Aquaculture WF 6193 (Mississippi State University 1996, 1998, 2000)

Laboratory Assistant: Fish Physiology WF 6173 (Mississippi State University 1996, 1998, 2000, 2002)

Volunteer Academic Advisor (Academic Advising Center: Mississippi State University)

GRADUATE STUDENT SUPERVISION

Post-Doctoral Associates:

Andrew S. Rhyne (2007 – 2008) currently Assistant Professor of Marine Biology and Roger Williams University

Adelaide C. Rhodes (2008 – 2009)

Graduated Students:

Jason Broach (Ph.D.) Chair of Committee. Graduated May 2014.

Matthew DiMaggio (Ph.D.) Chair of Committee. Graduated July 2012.

Lindsay Onjukka (M.S.) Chair of Committee. Graduated July 2011.

Eric Cassiano (M.S.) Chair of Committee. Graduated July 2009.

Matthew DiMaggio (M.S.) Chair of Committee. Graduated July 2008.

Current Students:

Bryan Danson (Ph.D.) Chair of Committee
Geoff Wallat (Ph.D.) Chair of Committee
Eric Cassiano (Ph.D.) Co-Chair of Committee
Daniel Elefante (M.S.) Chair of Committee
Jon-Michael Digedio (M.S.) Co-Chair of Committee
Michael Matthews (Ph.D.) Committee Member
Kevin Kollar (MFAS) Chair of Committee
Carolyn Russell (MFAS) Chair of Committee
Richard Brown (MFAS) Chair of Committee

PROFESSIONAL ASSOCIATION MEMBERSHIP

World Aquaculture Society, 1996 - present
World Aquaculture Society United States Chapter, 1996 - present
American Fisheries Society, 2003 - present
American Fisheries Society Fish Culture Section, 2003 - present
Florida Aquaculture Association, 2006 - present
United States Freshwater Prawn and Shrimp Growers Association, 2002 - present
Gamma Sigma Delta Agriculture Honor Society 2009 - present
International Association of Astacology, 2000 - 2006
Shawnee Freshwater Prawn Growers Association, 2003 – 2006

PROFESSIONAL SERVICE

Service to the World Aquaculture Society:

Co-Chair of Special Session: Baitfish - Aquaculture 2013 Nashville, TN, February 2013.

Co-Chair of Special Session: Baitfish Culture - Aquaculture America 2012 Las Vegas, NV, February 2012.

Co-Chair of Special Session: Baitfish Culture - Aquaculture America 2011 New Orleans, LA, February 2011.

Co-Chair of Special Session: Advances in Freshwater and Marine Baitfish Culture - Aquaculture 2010 San Diego, CA, March 2010.

Co-Chair of Special Session: Opportunities in Marine Baitfish - Aquaculture America 2009 Seattle, WA, February 2009.

United States Aquaculture Society Rules and Regulations Committee 2010 - 2012.

Judged student presentations, posters, and abstracts at annual conferences including Aquaculture America (2005, 2006), Aquaculture 2007, Aquaculture America (2008, 2009), and Aquaculture 2010.

Service to USDA Southern Regional Aquaculture Center:

Technical Committee Member 2007 – current

Publications Steering Committee Member 2010 - current

Associate Editor of Journal:

North American Journal of Aquaculture 2007 - current

Editor of Newsletter:

American Fisheries Society Fish Culture Section Newsletter 2003 - 2005

Reviewer of Journal Manuscripts:

Journal of the World Aquaculture Society
North American Journal of Aquaculture
Aquaculture
Aquaculture Nutrition
Aquaculture International
Aquaculture Research
Comparative Biochemistry and Physiology
Aquatic Biology
Haworth Press Inc.
Alabama Academy of Science
New Zealand Journal of Marine and Freshwater Research

Reviewer of Grant Applications:

USDA/NIFA Small Business Innovation Research: Aquaculture Grant Program
NOAA Small Business Innovation Research: Aquaculture Grant Program
Center for Tropical and Subtropical Aquaculture
Maine Aquaculture Innovation Center
Florida Sea Grant
Louisiana Sea Grant
North Carolina Sea Grant
German-Israel Fund for Research and International Development

WEBSITES CREATED AND MAINTAINED

Teach Aquaculture: <http://irrec.ifas.ufl.edu/teachaquaculture.html> (2005-Current)

IRREC Aquaculture Facility <http://irrec.ifas.ufl.edu/aquaculture.html> (2005-Current)

United States Freshwater Prawn Growers Association: <http://freshwaterprawn.org> (2003-Current)

Fish Culture Section of the American Fisheries Society: <http://fishculturesection.org> (2004-2011)

Shawnee Freshwater Prawn Growers Association: <http://shawneeprawn.org> (2003-2012)