

Recent Publications

Books

Engle, C. R., K. K. Quagraine, and **M.M. Dey**. 2017. *Seafood and Aquaculture Marketing Handbook 2nd Edition*. John Wiley & Sons Limited. Hoboken, NJ.

Refereed Journal Articles

Brown, T. W., C. C. Mischke, **L. A. Roy**, and M. Li. 2016. A length-weight relationship for pond-raised hybrid catfish fingerlings. *Journal of the World Aquaculture Society*. 47(1):93-96.

Dey, M. M., K. Gosh, R. A. Valmonte-Santos, M. W. Rosegrant, and **O. L. Chen**. 2016. Economic impact of climate change and climate change adaptation strategies for fisheries sector in Fiji. *Marine Policy* 67:164-170.

Dey, M. M., K. Gosh, R. A. Valmonte-Santos, M. W. Rosegrant, and **O. L. Chen**. 2016. Economic impact of climate change and climate change adaptation strategies for fisheries sector in Solomon Islands: Implication for food security. *Marine Policy* 67:171-178.

Dey, M. M., M. W. Rosegrant, K. Gosh, O. L. Chen, and R. A. Valmonte-Santos. 2016. Analysis of the economic impact of climate change and climate change adaptation strategies for fisheries sector in Pacific coral triangle countries: Model, estimation strategy, and baseline results. *Marine Policy* 67:156-163.

Fernando, A. V., S. E. Lochmann, and **A. H. Haukenes**. 2016. Critical thermal maxima of juvenile alligator gar (*Atractosteus spatula*, Lacepède, 1803) from three Mississippi-drainage populations acclimated to three temperatures. *Journal of Applied Ichthyology*. 32(4):701-705.

Hahn-von-Hessberg, C., **H. Quintero**, and A. Grajales. 2016. Desarrollo e implementación de una noria modificada como propuesta sostenible de recirculación de agua para una estación piscícola (Development and implementation of a modified waterwheel as a proposal for sustainable water circulation for an aquaculture station). *Luna Azul*. 42(1):185-199.

Hecke, K. B., E. L. Brinkman, B. A. Timmons, J. A. Olive, and **M. A. Eggleton**. 2016. Relationships between hydrology and largemouth bass growth in the Ouachita River, Arkansas. *Journal of the Southeastern Assn. of Fish and Wildlife Agencies*. 3:104-111.

Jenkins, J. A., R. Draugelis-Dale, R. P. Glennon, **A. M. Kelly**, B. L. Brown, H. M. Oliver, and J. R. Morrison. An accurate method for assessing triploid induction of fish larvae. *Protocol Exchange* www.nature.com/protocolexchange.

Kumari, B., V. Kumar, **A. K. Sinha**, J. Ahsan, A. K. Ghosh, H. Wang, and G. De Boeck. (2016). Toxicology of arsenic in fish and aquatic systems. *Environmental Chemistry Letters*, 1-22 (I.F. 2.92)

Kumar, S., J. S. Zsuzsanna, Z. Nagy, G. Fazekas, M. Havasi, **A. K. Sinha**, G. De Boeck G, and D. Gál. 2017. Potential of processed animal protein versus soybean meal to replace fish meal in practical diets for European catfish (*Silurus glanis*): growth response and liver gene expression. *Aquaculture Nutrition*. 2017:1-11.

Lochmann, S. E. and L. A. Will. 2016. Relation Between Grading Frequency and Production Characteristics of Alligator Gar Fingerlings in Tanks. *Arkansas Environmental, Agricultural and Consumer Science Journal* 15-16:16-21.

Perschbacher, P, and **L. Xie**. 2016. Discovery of Golden-Colored Channel Catfish (*Ictalurus punctatus*), with Preliminary Culture Evaluations. *Journal of Fisheries & Livestock Production*. 4(3).

Ramos, M. A., J. F. Goncalves, B. Costas, S. Batista, **R. Lochmann**, M. A. Pires, P. Rema, and R. Ozorio. 2017. Commercial Bacillus probiotic supplementation of rainbow trout (*Oncorhynchus mykiss*) and brown trout (*Salmo trutta*): growth, immune responses and intestinal morphology. *Aquaculture Research*. 48(5):2538-2549.

Rosegrant, M. W., **M. M. Dey**, R. A. Valmonte-Santos, and **O. L. Chen**. 2016. Economic impacts of climate change and climate change adaptation strategies in Vanuatu and Timor-Leste. *Marine Policy* 67:179-188.

Shrivastava, J., **A. K. Sinha**, S. N. Datta, R. Blust, and G. De Boeck. 2016. Pre-acclimation to low ammonia improves ammonia handling in common carp (*Cyprinus carpio*) when exposed subsequently to high environmental ammonia. *Aquatic Toxicology*. 180:334-344.

Stone, N. M., **A. M. Kelly**, and **L. A. Roy**. 2016. A fish of weedy waters: golden shiner biology and culture. *Journal of the World Aquaculture Society* 47(2):152-200.

Valmonte-Santos, R., M. W. Rosegrant, and **M. M. Dey**. 2016. Fisheries sector under climate change in the coral triangle countries of Pacific Islands: Current status and policy issues. *Marine Policy* 67:148-155.

Xie, L., P. W. Perschbacher, and H. Thomforde. 2016. Water quality and plankton in central Arkansas commercial golden shiner ponds. *Journal of Fisheries & Livestock Production*. 4:165.

Extension Publications / Fact Sheets

Van Senten, J., C. R. Engle, **A. M. Kelly**, and **L. A. Roy**. 2017. Cost of Regulations on Producers of Baitfish and Sportfish in Arkansas. Cooperative Extension Bulletin EBT 261. University of Arkansas Cooperative Extension Service, Little Rock, Arkansas.

Clements, S., B. Davis, B. Dorr, **L. Roy**, **A. Kelly**, and C. Engle. New study underway to estimate the impact of lesser scaup on Arkansas' baitfish industry. *Arkansas Aquafarming*. 33(3).

Dorman, L. 2016. Catfish trematode now in Southwest Arkansas. *Arkansas Aquafarming*. 33(2).

Dorman, L. 2016. Lightning safety around fish ponds. *Arkansas Aquafarming*. 33(2).

Duke, B. 2016. The State of Aquaculture in the Classroom. *Arkansas Aquafarming*. 33(1).

Jones, S. 2016. Beneficial Aquatic Plants for Fishing Ponds. *Arkansas Aquafarming*. 33(1).

Jones, S. 2016. Is Fertilization Right for your Pond? *Arkansas Aquafarming*. 33(2).

Jones, S., N. Stone, A. M. Kelly, G. L. Selden, B. A. Timmons, J. K. Whisenhunt, and M. Oliver. 2016. MP360: Farm Pond Management for Recreational Fishing. University of Arkansas at Pine Bluff School of Agriculture, Fisheries and Human Sciences Cooperative Extension Program.

Kelly, A. M. 2016. Disease trends in farm-raised fish in Arkansas. *Arkansas Aquafarming*. 33(2).

Kelly, A. M. 2016. UAPB fish lab obtains APHIS approval. *Arkansas Aquafarming*. 33(2).

Park, J., T. Luna, L. A. Roy, and A. M. Kelly. 2016. Effect of water turnover time on hybrid catfish production and water quality in split ponds. *Arkansas Aquafarming*. 33(2).

Quintero, H., L. Roy, A. Kelly, J. Park, and D. Heikes. 2016. Comparison of Different Pond Production Systems for Raising Largemouth Bass. *Arkansas Aquafarming*. 33(3).

Roy L. 2016. Two named to interim positions at the UAPB Fish Health Inspection Laboratory. *Arkansas Aquafarming*. 33(2).

Roy, L. A., M. Kearby, A. M. Kelly, M. A. Smith, H. Park, and M. Hoy. 2016. Lesser scaup predation on Arkansas sportfish farms. *Arkansas Aquafarming*. 33(2).

Selden, G. 2016. Update on the Final Clean Water Act Rule. *Arkansas Aquafarming*. 33(1).

Van Senten, J., C. R. Engle, **A. M. Kelly, and L. A. Roy.** 2016. Cost of regulations on producers of baitfish and sportfish in Arkansas. *Arkansas Aquafarming*. 33(3).

Abstracts

Deb, U., M. Dey, and O. Chen. 2017. Brand Equity in Shrimp Across Metro Markets in USA: An Analysis of Store-Based Scanner Data. Abstract published in "Forging New Frontiers: Aquaculture America 2017" Abstract Book, Page 89.

Deb, U., M. Dey, and N. Challa. 2017. Production, Consumption and Trade of Catfish in the United States: Trends, Causes and Implications. Abstract (#225) published in 18th Biennial

research Symposium Program + Abstract Book entitled “1890 Research: Meeting 21st Century Challenges through Innovation”, Page 125.

Duke, B. 2017. Hybrid Catfish *Ictalurus punctatus* x *Ictalurus furcatus* Raised at High Density With Intensive Aeration in a Traditional Clay-bottom Catfish Pond. Aquaculture America 2017. San Antonio.

Duke, B. 2017. Aquaculture in the Classroom: A Review of Teacher Training in Arkansas. Aquaculture America 2017. San Antonio.

Duke, B. 2017. Is There a difference Growing Lettuce with Tilapia *Oreochromis niloticus* or Bluegill *Lepomis macrochirus*? Aquaculture America 2017. San Antonio.

Duke, B. 2017. MAD BEAST. Aquaculture America 2017. San Antonio.

Duke, B. 2017. Oxygen Depletion in a High Intensity Hybrid Catfish Pond After a Power Outage: How Much Time is Time Enough? Aquaculture America 2017. San Antonio.

Edziyie, R., R. O. Abera, J. Afagachie, N. W. Agbo, and **R. Lochmann.** 2017. Protein and lipid composition of indigenous oilseeds in Ghana and their potential for use in animal feeds. Aquaculture America 2017, San Antonio, Texas, Feb. 19-22.

Farris, G. F., and S. E. Lochmann. Calcein marking: a non-lethal batch marking option for stocking evaluation. Southern Division of the American Fisheries Society, Oklahoma City, Oklahoma, February 2-4, 2017.

Farris, G. F., and S. E. Lochmann. Calcein marking: a non-lethal batch marking option for stocking evaluation. Arkansas Chapter of the American Fisheries Society, Texarkana, Arkansas, January 25-27, 2017.

Hecke, K. B., and S. E. Lochmann. Current status and distribution of the Strawberry Darter in the tributaries and main stem of the Strawberry River drainage. Southern Division of the American Fisheries Society, Oklahoma City, Oklahoma, February 2-4, 2017.

Hecke, K. B., and S. E. Lochmann. Current status and distribution of the Strawberry Darter in the tributaries and main stem of the Strawberry River drainage. Arkansas Chapter of the American Fisheries Society, Texarkana, Arkansas, January 25-27, 2017.

Kaimal, S., B. D. Farmer, **N. Renukdas, A. M. Kelly,** and N. Stone. Assessment of *Flavobacterium columnare* From Golden Shiners *Notemigonus crysoleucas* Subject to Crowding Stress. Aquaculture America '17 Book of Abstracts.

Kaiser, J. E., L. Lewis, A. Hitchcock, J. Barnett, and M. E. Eggleton. 2017. Asian carp effects on age-0 fish dynamics in the oxbow lakes of the lower White River, Arkansas. Abstracts of the Arkansas Chapter AFS meeting, Texarkana, AR.

Kelly, A. M. 2017. US Hybrid Striped Bass Industry Update. Aquaculture America '17 Book of Abstracts.

Kelly, A. M., J. Jacobs, and L. A. Roy. Collaboration Between Extension and Industry: Coordination and Assessment of Bacteria to Control Hydrogen Sulfide in Aquaculture Ponds. Aquaculture America '17 Book of Abstracts.

Kelly, A. M., J. Jacobs, and L. A. Roy. Sulfur-oxidizing Bacteria as a Potential Method to Improve Water Quality in Aquaculture Ponds. Aquaculture America '17 Book of Abstracts.

Koch, J. F. A., **R. Lochmann, M. Thompson, R. Chen,** and K. Rosentrater. 2017. Growth and health responses of juvenile largemouth bass *Micropterus salmoides* fed practical animal-based and plant-based diets with different levels of vitamin A. Aquaculture America 2017, San Antonio, Texas, Feb. 19-22.

Lochmann, S. E. Analysis of meeting abstracts as an indicator of emerging issues in stress and cultured aquatic organisms. Aquaculture America 2017, San Antonio, Texas, February 19-22, 2017.

Maina, A., R. Lochmann, S. Rawles, and K. Rosentrater. 2017. Digestibility of practical dietary lipids in channel catfish. 61st Annual Rural Life Conference, Pine Bluff Convention Center, March 3.

McCoy, K., L. Dorman, L. A. Roy, A. M. Kelly, J. Park, S. Aarattuthodiyil, and C. Tucker. Toxic Algae Monitoring on Arkansas Catfish Ponds. Aquaculture America '17 Book of Abstracts.

Pena, M., **H. Quintero, S. Ashby,** and **A. M. Kelly.** 2017. Aquaculture data may be used by teachers as a tool for teaching a specific mathematics topic. Abstract submitted to Aquaculture America, Annual Meeting of the U.S. Aquaculture Society. San Antonio, Texas. Feb. 19-22.

Quintero, H., G. Selden, A. M. Kelly, and **L. Roy.** 2017. UAPB – Aquaculture experimental research station: Extension and Outreach activities. Abstract submitted to Aquaculture America, Annual Meeting of the U.S. Aquaculture Society. San Antonio, Texas. Feb. 19-22.

Quintero, H. 2017. Developing a framework for the Extension program. Abstract submitted to the Aquaculture 101 session. Aquaculture America, Annual Meeting of the U.S. Aquaculture Society. San Antonio, Texas. Feb. 19-22.

Ramena, Y., S. Rawles, R. Lochmann, P. Chen, T. G. Gaylord, M. McEntire, B. Beck, B. Farmer, M. Lange, and **F. T. Barrows.** 2017. Effect of dietary non-GM soybean meal on growth, nutrient retention, and health in sunshine bass. Arkansas Bait and Ornamental Fish Grower's Association Meeting, Lonoke, AR, Feb. 9.

Ramena, Y., S. Rawles, R. Lochmann, P. Chen, T. G. Gaylord, M. McEntire, B. Beck, B. Farmer, M. Lange, and **F. T. Barrows.** 2017. Effect of dietary non-GM soy proteins on growth,

body composition, and resistance to bacterial challenge in sunshine bass. 61st Annual Rural Life Conference, Pine Bluff Convention Center, March 3.

Renukdas, N., and A. M. Kelly. 2017. A Little Known Extension Program in Fish Health. Aquaculture America '17 Book of Abstracts.

Renukdas, N., L. A. Roy, A. M. Kelly, L. M. Barnett, B. H. Beck, D. Heikes, R. P. Glennon, and P. Jones. Commercial Demonstration of Kaolinitic Clay for Protection From *Flavobacterium columnaris* in Sportfish. Aquaculture America '17 Book of Abstracts.

Roy, L. A., S. D. Rawles, A. M. Kelly, J. Park, H. E. Quintero, and C. D. Webster. Growth, Survival, and Fatty Acid Composition of Coppernose Bluegill (*Lepomis macrochirus* subspecies) Offered Different Winter Feeding Regimes. Aquaculture America '17 Book of Abstracts.

Roy, L. A., A. M. Kelly, N. Stone, C. Engle, J. Park, and M. A. Smith. Using an Extension Approach to Address an Emerging Industry Concern: A Case Study of Winter Fish Losses in Arkansas. Aquaculture America '17 Book of Abstracts.

Roy, L. A., A. M. Kelly, S. D. Rawles, H. E. Quintero, J. Park J, C. E., and C. E. Webster. 2017. Overwinter feeding of coppernose bluegill. Abstract submitted to Aquaculture America, Annual Meeting of the U.S. Aquaculture Society. San Antonio, TX. Feb. 19-22.

Salzmann, C. J., B. G. Justus, A. N. Hitchcock, J. Barnett, and M. A. Eggleton. 2017. Effects of Asian carps on native fish assemblages in oxbow lakes of the lower White River, Arkansas. Abstracts of the Arkansas Chapter AFS meeting, Texarkana, AR.

Sinha, A. K., J. Shrivastava, R. Blust, G. De Boeck. 2017. Ammonia Pre-acclimation –A Prospective Strategy in Aquaculture Management Practices. ARD Research Symposium 2017. Atlanta, Georgia, April 1 - 4, 2017.

Smith, M. A., L. A. Roy, A. M. Kelly, R. Lochmann, H. Quintero, and J. Park. 2017. Temperature and feeding regime effects on the growth and fatty acid composition of largemouth bass. Abstract submitted to Aquaculture America, Annual Meeting of the U.S. Aquaculture Society. San Antonio, Texas. Feb. 19-22.

Smith, M. A., L. A. Roy, A. M. Kelly, M. Thompson, H. E. Quintero, R. Lochmann, and J. Park. 2017. Feeding regimes for largemouth bass at high summer temperatures. Aquaculture America 2017, San Antonio, Texas, Feb. 19-22.

Thompson, M., J. Koch, and R. Lochmann. 2017. Vitamin A supplementation in the diets of largemouth bass. Arkansas Bait and Ornamental Fish Grower's Association Meeting, Lonoke, AR, Feb. 9.

Thompson, M., R. Lochmann, and R. Morawicki. 2017. Modified soybean meals as sustainable protein sources in diets of largemouth bass (*Micropterus salmoides*). Arkansas Bait and Ornamental Fish Grower's Association Meeting, Lonoke, AR, Feb. 9.

Thompson, M., R. Lochmann, and R. Morawicki. 2017. Modified soybean meals as sustainable protein sources in diets of largemouth bass (*Micropterus salmoides*). Aquaculture America 2017, San Antonio, Texas, Feb. 19-22.

Xie, L., N. Stone, and **R. Lochmann.** 2017. Production functions for golden shiner growth in different culture systems. Aquaculture America 2017, San Antonio, Texas, Feb. 19-22.

Aarattuthodiyil, S. 2016. Farm Biosecurity. Arkansas Baitfish and Ornamental Fish Grower's Association Meeting. Lonoke, AR. Feb 11, 2016.

Aarattuthodiyil, S. 2016. Fish certification program: a model from Arkansas. World Aquaculture 2016. Las Vegas, Nevada. Feb. 22-26.

Aarattuthodiyil, S. 2016. Use of Fish Cell Lines in Disease Diagnosis. Rural Life Conference. Pine Bluff, AR. Mar 4, 2016.

Barnett, J., **C. J. Salzmman, J. E. Kaiser,** and **M. A. Eggleton.** 2016. Arkansas' Aquatic Nuisance Species Management Plan: Fishes of Concern. Abstracts of the 2016 Aquaculture Field Day – University of Arkansas at Pine Bluff.

Eggleton, M. A., and **S. E. Lochmann.** 2016. Overview of UAPB's Fisheries Management and Ecology Graduate Program – the First 20 Years (1997-2016). Abstracts of the 2016 Aquaculture Field Day – University of Arkansas at Pine Bluff.

Eggleton, M. A. and H. L., Schramm. 2016. Fish assemblage responses to different secondary channel designs in the lower Mississippi River: a template for river restoration. Abstracts of the *Application of Methods and Techniques and Collaborations in Managing and Conserving Large River Basin Fishery Resources and Environment* at the American Fisheries Society annual meeting, Kansas City, MO.

Eggleton, M. A., A. H. Haukenes, S. E. Lochmann, and **R. L. Lochmann.** 2016. Training future fish hatchery scientists: three decades of experience at the University of Arkansas at Pine Bluff. Abstracts of the *Hatchery Fish Biologist: a Career for the Future* symposium at the American Fisheries Society annual meeting, Kansas City, MO.

Farris, G. F., and **S. E. Lochmann.** Calcein marking: a non-lethal batch marking option for stocking evaluation. American Fisheries Society, Kansas City, Missouri, August 21-25, 2016.

Farris, G. F., and **S. E. Lochmann.** Calcein marking: a non-lethal batch marking option for stocking evaluation. Arkansas Chapter of the American Fisheries Society, Fairfield Bay, Arkansas, February 10-12, 2016.

Hanson, T.R., L. B. Bott, **L. A. Roy,** and J. C. Chappell. 2016. In-pond raceway catfish production and economic analysis. Aquaculture 2016. Las Vegas, Nevada. Feb. 22-26.

Haukenes, A.H., M. A. Eggleton, and S. E. Lochmann. Training future fish scientists: undergraduate research experiences. Abstracts of the International Congress on the Biology of Fishes, June 12-16, 2016, San Marcos, TX.

Hecke, K. B., and S. E. Lochmann. Current status and distribution of the Strawberry Darter in the tributaries and mainstem of the Strawberry River drainage. American Fisheries Society, Kansas City, Missouri, August 21-25, 2016.

Hecke, K. B., and S. E. Lochmann. Current status and distribution of the Strawberry Darter in the tributaries and mainstem of the Strawberry River drainage. Arkansas Chapter of the American Fisheries Society, Fairfield Bay, Arkansas, February 10-12, 2016.

Kelly, A. M. 2016 Striped Bass Growers Update. Aquaculture America, Annual Meeting of the U.S. Aquaculture Society. Las Vegas, Nevada. Feb. 22-26.

Lochmann, S. E. Knowledge, skills, and competencies for a fish hatchery biologist. American Fisheries Society, Kansas City, Missouri, August 21-25, 2016.

Lochmann, S. E. Reviews of stock enhancement of largemouth bass and crappies with consideration of factors affecting stock enhancement success. Aquaculture 2016, Las Vegas, Nevada, February 22-26, 2016

Lochmann, S. E., M. E. Eggleton, G. Farris, and K. B. Hecke. Lake Saracen bank angler creel survey and management implications. Arkansas Chapter of the American Fisheries Society, Fairfield Bay, Arkansas, February 10-12, 2016.

Luna, T., and J. Park. Performance evaluation of a paddlewheel water circulator with different blade shapes in a split-pond test system (World Aquaculture Conference 2016, Las Vegas, USA).

Luna, T., J. Park, and D. Heikes. The effect of screen sizes and culvert water return area on pumping performance of a paddlewheel water circulator in a split-pond test system (World Aquaculture Conference 2016, Las Vegas, USA).

Luna, T. P., J. Park, L. A. Roy, and A. M. Kelly. 2016. Performance evaluation of split-pond systems operated at two different water turnover rates for production of hybrid catfish (*Ictalurus punctatus* x *I. furcatus*). Aquaculture 2016. Las Vegas, Nevada. Feb. 22-26.

Park, J., P. K. Kim, and S. Park. Nitrification kinetics of a trickling bio-filter with Styrofoam bead media at different water temperature in seawater (World Aquaculture Conference 2016, Las Vegas, USA).

Park, J., N. Renukdas, T. Luna, and L. Roy. The effect of stocking density on growth performance of largemouth bass fingerlings in a recirculating system (World Aquaculture Conference 2015, Jeju Island, South Korea).

Quintero, H. 2016. Review of nutritional requirements for channel catfish. Global Catfish Conference, Tampico, Mexico. Mar. 1-2.

Quintero, H., and A. Davis. 2016. Broodstock nutrition: enhancement of egg quality in channel catfish for hybrid catfish production. Aquaculture 2016. Paris Hotel and Convention Center, Las Vegas, Nevada. Feb. 22-26.

Quintero, H. E., J. Park, L. A. Roy, and **A. M. Kelly.** 2016. Comparison of different pond production systems for raising largemouth bass. Aquaculture 2016. Las Vegas, Nevada. Feb. 22-26.

Ramena, Y., S. Rawles, and **R. Lochmann.** 2016. Assessment of nutrient retention of novel non-GMO soy proteins compared to fish meal in diets of sunshine bass. Book of Abstracts, UAPB Research Forum, Pine Bluff, AR, April 5.

Ramena, Y., M. Lange, S. Rawles, **R. Lochmann,** P. Chen, T.G. Gaylord, M. McEntire, B. Beck, B. Farmer, and F.T. Barrows. 2016. The effect of β -conglycinin and gut histology of the sunshine bass fed diets with new varieties of non-genetically modified soybeans. Aquaculture 2016, Las Vegas, NV, Feb. 18-28. CD of abstracts, P. 654.

Ramena, Y, S. Rawles, **R. Lochmann,** P. Chen, T. G. Gaylord, M. McEntire, B. Beck, B. Farmer, M. Lange, and F. T. Barrows. 2016. Evaluation of growth, nutrient retention, health, and resistance to bacterial challenge in sunshine bas fed diets with new varieties of non-genetically modified soybeans. Aquaculture 2016, Las Vegas, NV, Feb. 18-28. CD of abstracts, P. 653.

Recsetar, M. S., L. A Roy, and **J. Park.** 2016. Evolution of intensive aquaculture systems in Arkansas. Aquaculture 2016. Las Vegas, Nevada. Feb. 22-26.

Roy, L. A., A. M. Kelly, C. D. Webster, S. D. Rawles, N. Stone, and **J. Park.** 2016. The effect of different winter feeding regimes on growth and fatty acid composition of golden shiners and fathead minnows. Aquaculture 2016. Las Vegas, Nevada. Feb. 22-26.

Roy, L. A., M. A. Smith, M. Kearby, **A. M. Kelly,** and M. Hoy. 2016. Predation by lesser scaup, *Aythya affinis*, on commercial sportfish farms in Arkansas. Aquaculture 2016. Las Vegas, Nevada. Feb. 22-26.

Roy, L. A., M. A. Smith, M. Kearby, **A. M. Kelly,** and M. Hoy. 2016. Predation by lesser scaup, *Aythya affinis*, on commercial baitfish and sportfish farms in Arkansas. Mid-Continent Warmwater Fish Culture Workshop. Eugene T. Mahoney State Park, Ashland, Nebraska. Feb. 1-3.

Sinha A. K. 2016. Ammonia pre-acclimation -a prospective strategy in aquaculture management practices. Books of Abstract, UAPB Research Forum (Field day), Pine Bluff, AR, Oct. 6.

Skoog, M. L., Y. Chen, and **M. A. Eggleton**. 2016. Water quality and fish community structure characteristics in middle-order, low gradient streams in the Mississippi Alluvial Plain. Abstracts of the Oklahoma Natural Resources Conference, Oklahoma City, OK.

Smith, M. A., L. A. Roy, A. M. Kelly, H. E. Quintero, and J. Park. 2016. Feeding regimes for largemouth bass at high summer temperatures. Aquaculture 2016. Las Vegas, Nevada. Feb. 22-26.

Thompson, E., and R. Lochmann. 2016. Modified soybean meals as sustainable protein sources in diets of largemouth bass. Book of Abstracts, UAPB Research Forum, Pine Bluff, AR, April 5.

Xie, L, and R. Lochmann. 2016. Discriminant analysis of gut microflora communities of fathead minnow *Pimephales promelas*. Aquaculture 2016, Las Vegas, NV, Feb. 18-28. CD of abstracts, P. 878.

Other Publications

Duke, B. 2017. Aquaculture in the Classroom Newsletter. 5(3).

Duke, B. 2017. Aquaculture in the Classroom Newsletter. 5(2).

Duke, B. 2017. Aquaculture in the Classroom Newsletter. 5(1).

Dorman, L. Lightning safety around fish ponds and on the lake. Various local newspapers statewide. June 2016.

Dorman, L. Pond turnovers, fish kills an inconvenient possibility during summer season. Various local newspapers statewide. July 2016.

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(12).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(11).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(10).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(9).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(8).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(7).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(6).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(5).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(4).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(3).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(2).

Duke, B. 2016. Aquaculture in the Classroom Newsletter. 4(1).

Duke, B. 2016. UAPB uses Aquaculture to Bridge Educational Concepts in Arkansas Classrooms. UAPB News.

Duke, B. 2016. UAPB uses Aquaculture to Bridge Educational Concepts in Arkansas Classrooms. Newton County News. Jasper, AR.

Duke, B. 2016. UAPB uses Aquaculture to Bridge Educational Concepts in Arkansas Classrooms. Stuttgart Daily Leader. Stuttgart, AR.

Eggleton, M. A., S. H. Jones, C. R. Colen, and O. C. Duffy. 2016. Least Tern Survey – Lower Arkansas River below Dam 2. Completion report submitted to the U.S. Army Corps of Engineers – Little Rock District.

Lochmann, R. 2016. President's column. World Aquaculture Magazine 47(1):2.

Quintero, H. 2016. Channel catfish – an overview of nutritional requirements. International Aqua Feed Magazine. January/February: 42-44.

Roy, L. A., L. B. Bott, T. R. Hanson, J. A. Chappell, and W. Powe. 2016. Commercial implementation of in-pond raceway system: In-pond raceway systems effectively supply niche markets with catfish. *Global Aquaculture Advocate*. January/February issue (published online).