

Robert Edward Colombo II

Work Address:

Department of Biological Sciences
College of Sciences
Eastern Illinois University
Charleston, Illinois 61920
recolombo@eiu.edu
Work: 217-581-3011

I. Education

- 12/2007 Ph.D., Fisheries and Illinois Aquaculture Center and Department of
Zoology, Southern Illinois University, Carbondale
- Dissertation Title: Population Demographics and the Ecological
Role of the Channel Catfish (*Ictalurus punctatus*) in Commercially
Exploited and Unexploited Reaches of the Wabash River with
Implications for the Flathead Catfish (*Pylodictus olivaris*).
Major advisors: James E. Garvey, Ph.D. and Roy C. Heidinger,
Ph.D.
- 2004 M.S., Zoology, Fisheries and Illinois Aquaculture Center and Department
of Zoology, Southern Illinois University, Carbondale
- Thesis Title: Reproductive Demographics and Early Life History
of the Shovelnose Sturgeon (*Scaphirhynchus platyrhynchus*)
Major advisor: James E. Garvey, Ph.D.
- 1998 B.S., *magna cum laude*, Biology 1998, SUNY Environmental Science and
Forestry, Syracuse, New York
- Major advisor: Neal Ringler, Ph.D.

II. Employment History

- 2009-Present Assistant Professor, Department of Biological Sciences, Eastern Illinois
University, Charleston, Illinois.
- 2008-Present Adjunct Assistant Professor, Department of Zoology, Southern Illinois
University, Carbondale.
- 2008 Zoology Instructor, Department of Zoology, Southern Illinois University,
Carbondale.

- 2007-2009 Anatomy and Histology Instructor, Department of Anatomy, School of Medicine, Southern Illinois University, Carbondale.
- 2007-2009 Problem Based Learning Facilitator / Tutor, School of Medicine, Southern Illinois University, Carbondale.
- 2007 Fisheries Computer Lab Administrator, Fisheries and Illinois Aquaculture Center and Department of Zoology, Southern Illinois University, Carbondale
- 2006-2007 Graduate Teaching Assistant, Comparative Vertebrate Histology, Department of Zoology Southern Illinois University, Carbondale, Spring Semester
- 2006-2008 Statistical Consultant, St. Andrews School District, Diocese of Bellville, Murphysboro, IL
- 2006-2007 Graduate Teaching Assistant, Comparative Endocrinology, Department of Zoology Southern Illinois University, Carbondale, Spring Semester
- 2002-2007 Undergraduate Mentor Fisheries and Illinois Aquaculture Center and Department of Zoology, Southern Illinois University, Carbondale
- 2001-2007 Graduate Research Assistant, Fisheries and Illinois Aquaculture Center and Department of Zoology, Southern Illinois University, Carbondale
- 1999-2001 Quarantine Aquarist / Fish Pathologist, Shedd Aquarium, Chicago, Illinois
- 1998 Fisheries Technician, Lawler, Matusky and Skelly Engineers, Nyack, New York
- 1997-1998 Field Supervisor, New York State Research Foundation, Massena, New York
- 1997 Teaching Assistant, Soils, State University of New York College of the Environmental Science and Forestry, Fall Semester
- 1992-1996 Project Manager, Wiltel Data Network Services

III. Research Experience

- Ph.D. Population Demographics and the Ecological Role of the Channel Catfish (*Ictalurus punctatus*) in Commercially Exploited and Unexploited Reaches of the Wabash River with Implications for the Flathead Catfish (*Pylodictus olivaris*).

- M.S. Reproductive Demographics and Early Life History of the Shovelnose Sturgeon (*Scaphirhynchus platyrhynchus*)
Tools Used:
- SIUC R.A. Current Status of the Pallid Sturgeon (*Scaphirhynchus albus*) in the Middle Mississippi River
- Habitat Use and Movement of the Bighead and Silver Carp in the Illinois River
- Undergraduate: Lake Sturgeon Population Demographics in the St. Lawrence River, NY.

IV. Fields of Research

Fish physiology, histology, embryology, fish parasitology and pathology, impacts of commercial exploitation on inland fisheries stocks, fisheries modeling and population dynamics, analysis of mark recapture data, analysis of telemetry data, endangered species conservation, exotic species management, genetic stock structure, sturgeon ecology and conservation, large river fisheries, basic and applied fish biology, husbandry.

V. Teaching Experience

Assistant Professor (Eastern Illinois University 2009-Present)

- General Biology BIO1100* (Fall 2009)
- Human Anatomy BIO2200* (Summer 2010 & Summer 2012)
- Principles of Ecology BIO3800* (Fall 2009 – Spring 2013)
- Fisheries Ecology and Management BIO4812* (Fall 2010 & Fall 2012)
- Ichthyology BIO4950* (Spring 2010 & Spring 2012)
- Population Ecology BIO5208* (Fall 2011)
- Graduate Seminar BIO5150* (Spring 2011)
- Fish and Wildlife Techniques BIO3960/5372* (Fall 2012)

Instructor (SIUC School of Medicine, 2007 to 2009)

- Embryology Curriculum Director (2008)
- Histology (2007 to 2009)*
- Problem Based Learning Tutor (2007 to 2009)*

Zoology Instructor (SIUC)

- Comparative Vertebrate Histology, *Zool 409* (2008)

Graduate Teaching Assistant (SIUC):

- Comparative Vertebrate Histology, *Zool 409* (2006 & 2007)*
 - Winner of the Foote and Foote Award for Outstanding Teaching Assistant in Zoology 2006
- Comparative Endocrinology, *Zool 426* (2006 & 2007)

Guest Lecturer:

- Comparative Vertebrate Histology, *Zool 409* (SIUC, 2006 & 2007)
- Comparative Endocrinology, *Zool 426* (SIUC, 2006 & 2007)
- Advanced Fisheries Management, *Zool 569* (SIUC, 2006)
- Fisheries Stock Assessment, *Zool 568* (SIUC, 2005 & 2006)
- Fish Management, *Zool 466* (SIUC, 2004 to 2006)
- Age and Growth of Fish, *Zool 586* (SIUC, 2004)
- Biology Seminar Series (College of Dupage, 2000)
- Introduction to Forest Soils, *For 345* (SUNY ESF, 1997)

***Student appraisal available**

VI. Peer-Reviewed Manuscripts

1. *Koch, B, R.C. Brooks, A. Oliver, D. Herzog, J.E. Garvey, R. Hrabik, **R. Colombo**, Q. Phelps, and T. Spier. 2011. Habitat Selection and Movement of Naturally Occurring Pallid Sturgeon in the Mississippi River. *Transactions of the American Fisheries Society* 141:112-120.
2. *Shuangying, Y., R.S. Holbrook, D.W. Sparling, and **R.E. Colombo**. 2011. Metal Accumulation and evaluation of effects in a freshwater turtle. *Ecotoxicology* 20: 1801-1812.
3. ***Colombo, R.E.**, Q.E. Phelps, C.M Miller, J.E. Garvey, R.C. Heidinger, and N.S. Richardson. 2010. Comparison of channel catfish age estimates and resulting population demographics using two common structures. *North American Journal of Fisheries Management* 30: 305-308.
4. Schrey, A., **R. Colombo**, J. Garvey, and E. Heist. 2009. Stock Structure of the Shovelnose Sturgeon from the Mississippi River Drainage. *Journal of Applied Ichthyology* 25: 625-631.
5. Phelps, Q.P., D.P. Herzog, R.C. Brooks, V.A. Barko, D.E. Ostendorf, J.W. Ridings, S.J. Tripp, **R.E. Colombo**, J.G. Garvey, and R.A. Hrabick. 2009. Seasonal Comparison of Catch Rates and Size Structure Using Three Gear Types to Sample Sturgeon in the Middle Mississippi River. *North American Journal of Fisheries Management* 29: 1487-1495.
6. Tripp, S.J., **R.E. Colombo**, and J.E. Garvey. 2009. Changing demographics of sturgeon in the Middle Mississippi River: Potential harvest responses. *Transactions of the American Fisheries Society*.
7. Tripp, S.J., **R.E. Colombo**, and J.E. Garvey, B.M. Burr, D.P. Herzog, and R.A. Hrabik. 2009. Assessing the life history strategy of the shovelnose sturgeon in the Middle Mississippi River. *North American Journal of Fisheries Management*.

8. **Colombo, R.E.**, Q.E. Phelps, J.E. Garvey, R.C. Heidinger, and T. Stefanavage. 2008. Gear-Specific Population Demographics of Channel Catfish in a Large Un-impounded Midwestern River. *North American Journal of Fisheries Management* 28: 241-246.
9. DeGrandchamp, K.L., J.E. Garvey, and **R.E. Colombo**. 2008. Using habitat selection to predict establishment of invasive Asian carps in a large river. *Transactions of the American Fisheries Society* 137: 45-56.
10. **Colombo, R.E.**, J.E. Garvey, N.D. Jackson, R. Brooks, D.P. Herzog, R.A. Hrabik, and T.W. Spier. 2007. Harvest of Mississippi River sturgeon drives abundance and reproductive success: a harbinger of collapse? *Journal of Applied Ichthyology*. 23: 444-451.
11. **Colombo, R.E.**, J.E. Garvey, and P.S. Wills. 2007. A Guide to the embryologic development of the shovelnose sturgeon (*Scaphirhynchus platorhynchus*) reared at constant temperature. *Journal of Applied Ichthyology* 23: 402-419.
12. **Colombo, R.E.**, J.E. Garvey, and P.S. Wills. 2007. Gonadal development and sexual demographics of the shovelnose sturgeon, *Scaphirhynchus platorhynchus*, in the Middle Mississippi River. *Journal of Applied Ichthyology* 23: 420-427.
13. Jackson, N.D., J.E. Garvey, and **R.E. Colombo**. 2007. Comparing aging precision of calcified structures in shovelnose sturgeon. *Journal of Applied Ichthyology*. 23: 525-528.
14. **Colombo, R.E.**, P.S. Wills and J.E. Garvey. 2004. Use of ultrasound imaging to determine the sex of shovelnose sturgeon from the Middle Mississippi River. *North American Journal of Fish Management* 24: 322-326.

*** STUDENT COAUTHOR**

VII. Manuscripts Accepted in, Review, or in Prep

1. ***Colombo, R.E.**, E. McCallen, J.E. Garvey, R.C. Heidinger, and T. Stefanavage. In review. The impacts of an inland fishery reserve on a large river catfish population. Submitted to *North American Journal of Fisheries Management*
2. ***Wildenberg, A.**, J.R. Larson, C.L. Pederson, C.J. Moody, and **R.E. Colombo**. In review. Effect of treated wastewater effluent on mussel community composition in a Midwestern River. Submitted to *Freshwater Science*
3. ***Porreca, A.P.**, C.L. Pederson, J. R. Larsen, and **R.E. Colombo**. In review. Switching from AC to DC Electrofishing: Why a Multigear Approach is Beneficial. Submitted to *Fisheries Management and Ecology*

4. Bollinger, E.K. and R.E. Colombo. In Review. Long-term Comparison of Benthic Macroinvertebrate Assemblages in Two Illinois Creeks. Submitted to American Midland Naturalist

*** STUDENT COAUTHOR**

VIII. Technical Reports

1. **Colombo, R.**, J. Laursen, and C. Pederson. 2012. Biotic assessment of water quality in a stretch of the Sangamon River Receiving Effluent from the Sanitary District of Decatur: Focusing on qualitative habitat assessment, mussel assemblage, tiered-aquatic life use, and the sport fishery. Submitted to the Sanitary District of Decatur. Final Report
2. ***Colombo, R.** and A. Porreca. 2012. Monitoring the Sportfish Assemblages of Coffeen Lake: Year 2-2011 Annual Progress Report. Submitted to AMEREN Energy Generating Company.
3. ***Colombo, R.E.** and J. West. 2012. Impacts of Restoration on Fish and Macroinvertebrate Communities in Kickapoo Creek near Charleston, IL. Submitted to Illinois Department of Natural Resources. Final Report
4. ***Colombo, R.** and A. Porreca. 2011. Monitoring the Sportfish Assemblages of Coffeen Lake: Year 1-2010 Annual Progress Report. Submitted to AMEREN Energy Generating Company.
5. ***Colombo, R.** and J. West. 2011. Restoration of Kickapoo Creek near Charleston, IL. Submitted to Illinois Department of Natural Resources.
6. **Colombo, R.**, J. Laursen, and C. Pederson. 2011. Biotic assessment of water quality in a stretch of the Sangamon River Receiving Effluent from the Sanitary District of Decatur: Focusing on qualitative habitat assessment, mussel assemblage, tiered-aquatic life use, and the sport fishery. Submitted to the Sanitary District of Decatur.
7. **Colombo, R.E.**, J.E. Garvey, N.D. Jackson, R. Brooks, D.P. Herzog, R.A. Hrabik, and T.W. Spier. 2006. Harvest of Mississippi River sturgeon drives abundance and reproductive success: a harbinger of collapse? Chapter 6, in Current status of the pallid sturgeon (*Scaphirhynchus albus*) in the Middle Mississippi River. A Final Report Submitted to the U.S. Army Corps of Engineers, St. Louis district.
8. **Colombo, R.E.**, J.E. Garvey, and P.S.Wills. 2006. Gonadal development and sexual demographics of the shovelnose sturgeon, *Scaphirhynchus platorhynchus*, in the Middle Mississippi River. Chapter 7, in Current status of the pallid sturgeon

- (*Scaphirhynchus albus*) in the Middle Mississippi River. A Final Report Submitted to the U.S. Army Corps of Engineers, St. Louis district.
9. **Colombo, R.E.**, J.E. Garvey, and P.S. Wills. 2006. A Guide to the embryologic development of the shovelnose sturgeon (*Scaphirhynchus platorhynchus*) reared at constant temperature. Chapter 9, in Current status of the pallid sturgeon (*Scaphirhynchus albus*) in the Middle Mississippi River. A Final Report Submitted to the U.S. Army Corps of Engineers, St. Louis district.
 10. Jackson, N.D., J.E. Garvey, and **R.E. Colombo**. 2006. Comparing aging precision of calcified structures in shovelnose sturgeon. Chapter 10, in Current status of the pallid sturgeon (*Scaphirhynchus albus*) in the Middle Mississippi River. A Final Report Submitted to the U.S. Army Corps of Engineers, St. Louis district.
 11. **Colombo, R.E.**, J. E. Garvey, and R. C. Heidinger. 2005. Wabash river catfish population demographics and management implications. A Final Report Submitted to the Indiana Department of Natural Resources.
 12. Heidinger, R., J.E. Garvey, and **R.E. Colombo**. 2005. The Wabash River Catfish Project. Year 4. Indiana Department of Natural Resources.
 13. Heidinger, R., J.E. Garvey, **R.E. Colombo**, and P. Beck. 2004. The Wabash River Catfish Project. Year 3. Indiana Department of Natural Resources.
 14. Heidinger, R., J.E. Garvey, and **R.E. Colombo**. 2003. The Wabash River Catfish Project. Year 2. Indiana Department of Natural Resources.
 15. Heidinger, R., R.J. Sheehan, J.E. Garvey, C.J. Williamson and **R.E. Colombo**. 2002. The Wabash River Catfish Project. Year 1. Indiana Department of Natural Resources.
 16. Heidinger, R., R.J. Sheehan, P.S. Wills, N. Jackson, **R. Colombo** and A. Miller. 2002. Middle Mississippi River Pallid Sturgeon Habitat Use Project. Year 6. Annual Progress Report.

*** STUDENT COAUTHOR**

IX. Presentations

1. Nepal KC, V., L.D. Frankland, and **R.E. Colombo**. Demographics of a Commercially Exploited Population of Shovelnose Sturgeon in the Lower Wabash River, IL. 51st Annual meeting of the Illinois American Fisheries Society, Rend Lake, IL. March 2013. **STATE**
2. Moody, C.J., L.D. Frankland, G.G. Sass, and **R.E. Colombo**. Demographics of a Commercially Exploited Population of Flathead Catfish in the Wabash River. 51st

- Annual meeting of the Illinois American Fisheries Society, Rend Lake, IL. March 2013. **STATE**
3. Wildenberg, A.J. C.J. Moody, J.R. Laursen, C.L. Pederson, and **R.E. Colombo**. Mussel Community Response to Wastewater Effluent in a Midwestern River. 51st Annual meeting of the Illinois American Fisheries Society, Rend Lake, IL. March 2013. **STATE**
 4. Huck, S., E. McCallen, C. Moody, L. Frankland, and **R. Colombo**. Assessment of Range, Habitat, and Movement of Flathead Catfish in the Wabash River using Ultrasonic Telemetry. 51st Annual meeting of the Illinois American Fisheries Society, Rend Lake, IL. March 2013. **STATE**
 5. *Hastings, R.P., S. Meiners, T. Thomas, and **R.E. Colombo**. Assessment of fish Assemblages in the Vermillion River prior to Dam Removal. 51st Annual meeting of the Illinois American Fisheries Society, Rend Lake, IL. March 2013. **STATE**
 6. *Porreca, A., and **R.E. Colombo**. Evaluating the Impact of Thermal Effluent on Sportfish Abundance in a Midwestern Cooling Lake. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**
 7. *Stuck, J.G., L. Frankland, D.H. Wahl, and **R.E. Colombo**. Demographic Differences of Silver Carp, *Hypophthalmichthys molitrix*, Populations Between Impacted and Unimpacted Midwestern River Ecosystems. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**
 8. †Hughes, M., N. Camp, M. Krick, A.P. Porreca, C. Phillips, **R.E. Colombo**, and M. Menze. Life in Hot Waters: Live Fast, Die Young. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**
 9. *Moody, C.J., L. Frankland, G.G. Sass, and **R.E. Colombo**. A Tale of the Wabash River Flathead Catfish: Sampling Inefficiencies and Demographics. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**
 10. *Wildenberg, A., C.J. Moody, J.R. Laursen, C.L. Pederson, and **R.E. Colombo**. Mussel Community Response to Wastewater Effluent in a Midwestern River. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**
 11. *Mulhollem, J. D.H. Wahl, C.D. Suski, and **R.E. Colombo**. Individual Species and Community Level Consequences of Thermal Effluent on Midwestern Reservoirs. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**

12. *†Wildenberg, A. J.; J. R. Laursen, C. J. Moody, S. M. Huck, T. J. Park,; and **R. E. Colombo**. Effect of wastewater effluent on mussel species composition in a Midwestern River. 2012 National Meeting Society of Freshwater Science. Louisville KY. May 2012. **NATIONAL**
13. *Porreca, A. P. and **R. E. Colombo**. Distribution and Abundance of Sportfishes in an Illinois Power Cooling Reservoir. 50th Meeting of the Illinois American Fisheries Society. February 2012. **STATE**
14. *Stuck, J., L. Frankland, G. Sass, D. Wahl, and **R. Colombo**. Population Demographics of the Invasive Silver Carp in the Illinois and Wabash River Ecosystems. 50th Meeting of the Illinois American Fisheries Society. February 2012. **STATE**
15. *Wildenberg, A., C. Moody, J. Laursen, C.L. Pederson, and **R.E. Colombo**. Impacts of Waste Water Effluent on Freshwater Mussel Populations. 50th Meeting of the Illinois American Fisheries Society. February 2012. **STATE**
16. *Moody, C., L. Frankland, G. Sass, and **R Colombo**. Demographics of an exploited population of flathead catfish in the Wabash River. 50th Meeting of the Illinois American Fisheries Society. February 2012. **STATE**
17. *West, J., T. Thomas, and **R. Colombo**. Habitat Restoration Leads to Increased Diversity and Density in Fish Communities. 50th Meeting of the Illinois American Fisheries Society. February 2012. **STATE**
18. *Porreca, A. P. and **R. E. Colombo**. Seasonal Densities of Sportfish in a Thermally-Altered Environment. LECTERN. 72nd Midwest Fish & Wildlife Conference, Des Moines, IA. December 2011. **REGIONAL**
19. *Stuck, J., L. Frankland, G. Sass, D. Wahl, and **R. Colombo**. Differences in Population Demographics of Silver Carp Between Impacted and Unimpacted River Ecosystems. 72nd Midwest Fish and Wildlife Conference, Des Moines, IA. December 2011. **REGIONAL**
20. *Moody, C., L. Frankland, G. Sass, and **R Colombo**. Demographics of an exploited population of flathead catfish in the Wabash River. Wabash River Consortium Meeting. Terre Haute, IN. November 2011. **REGIONAL**
21. ***Colombo, R.E.**, John West, and Trent Thomas. Seasonal Differences in the Diversity and Relative Abundance of Fishes in a Small Midwestern Stream. LECTERN. 141st Annual Meeting of the American Fisheries Society, Seattle, WA. September 2011. **NATIONAL**
22. *Miller, C. M., G. King, S. Thompson, and **R. E. Colombo**. Assessment of Crappie Population Demographics in Three Midwestern Reservoirs. 141st Annual

- Meeting of the American Fisheries Society, Seattle, WA. September 2011.
NATIONAL
23. ***Colombo, R.E.**, John West, and Trent Thomas. Effects of Habitat Restoration on Stream Fish Assemblages in a Midwestern Stream. Lectern. 2011 Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, MN. July 2011.
NATIONAL
 24. *Miller, C., **R. Colombo**, and C. Pederson. Comparative fish assemblages of the Lake Decatur Watershed. 140th American Fisheries Society Meeting. Pittsburgh, PA. September 2010. **NATIONAL**
 25. *Miller, C., Q. Phelps, **R.E. Colombo**, J. Garvey, and R. Heidinger. Predicting the impact of harvest on the yield of channel and flathead catfish in the Wabash River using population modeling. 2nd International Catfish Symposium. St. Louis, MO. 2010. **INTERNATIONAL**
 26. **Colombo, R.E.**, S.J Tripp, and J.E. Garvey. Harvest Impacts on the Shovelnose Sturgeon. 70th Midwest Fish and Wildlife Conference. Springfield, IL. December 2009. **REGIONAL**
 27. **Colombo, R. E.** and 12 coauthors. Status of the shovelnose sturgeon. 138th Annual Meeting of the American Fisheries Society. Nashville, TN. September 2009. **NATIONAL**
 28. Heist, E. P. Braaten, **R. Colombo**, A. Delonay, J. Garvey, P. Hartfield, D. Herzog, G. Jordan, K. Kappenman, and Molly Webb. Status of the Pallid Sturgeon. 138th Annual Meeting of the American Fisheries Society. Nashville, TN. September 2009. **NATIONAL**
 29. Garvey, J.E., and **R.E. Colombo**. Comparative fish stock assessments of the Wabash and Mississippi Rivers. Annual Meeting of the Illinois Chapter of the American Fisheries Society, Lake Shelbyville, IL. March 2007. **STATE**
 30. Brooks, R., J. Garvey, **R. Colombo**, S. Bauer, D. Herzog and R. Hrabik. Fish Movement in Large Rivers. 67th Midwest Fish and Wildlife Conference. Omaha, NE. December 2006. **REGIONAL**
 31. **Colombo, R.E.**, J.E. Garvey, D. Herzog, R. Hrabik, N.D. Jackson. Harvest of Shovelnose Sturgeon Influences Year Class Strength and Adult Abundance: Are We Moving Towards Collapse? 136th Annual Meeting of the American Fisheries Society, Lake Placid, NY. September 2006. **NATIONAL**
 32. **Colombo, R.E.**, J.E. Garvey, D. Herzog, R. Hrabik, N.D. Jackson. Potential Impact of Commercial Harvest on the Shovelnose Sturgeon Population in the Middle Mississippi River. Annual Meeting of the Mississippi River Research

- Consortium, LaCrosse, WI. April 2006. (**Winner of the Best Lectern Presentation Award**). **REGIONAL**
33. **Colombo, R.E.**, J.E. Garvey, D. Herzog, R. Hrabik, N.D. Jackson. Harvest of Shovelnose Sturgeon Influences Year Class Strength and Adult Abundance: A Harbinger of Collapse? Annual Meeting of the Illinois Chapter of the American Fisheries Society, Rend Lake, IL. March 2006. **STATE**
 34. **Colombo, R.E.**, J.E. Garvey, and R.C. Heidinger. Comparing the Demographics of Channel Catfish in Fished and Un-fished Reaches of the Wabash River. 135th Annual Meeting of the American Fisheries Society, Anchorage, AK, September 2005. **NATIONAL**
 35. **Colombo, R.E.**, J.E. Garvey, and R.C. Heidinger. Harvest Induced Impacts on the Demographics of Channel Catfish in the Wabash River. Annual Meeting of the Illinois Chapter of the American Fisheries Society Meeting. Moline, IL. March 2005. (**Winner of the Lewis L. Osborne Best Student Presentation Award**). **STATE**
 36. **Colombo, R.E.**, P.S. Wills, and J.E. Garvey. A Guide to the Gonadal Development of the Shovelnose Sturgeon. Scaphirhynchus Symposium. St. Louis, MO. January, 2005. **NATIONAL**
 37. Spier, T., J.E. Garvey, R. Brooks and **R.E. Colombo**. Movement and Habitat Use by the Pallid and Shovelnose Sturgeon in the Middle Mississippi River. Scaphirhynchus Symposium. St. Louis, MO. January, 2005. **NATIONAL**
 38. **Colombo, R.E.**, J.E. Garvey, and R.C. Heidinger. Assessing the Impacts of Commercial Exploitation on the Demographics of Channel Catfish in a Large River. 65th Midwest Fish and Wildlife Conference. Indianapolis, IN. December 2004. **REGIONAL**
 39. Schrey, A., **R.E. Colombo**, E. Heist, and J.E. Garvey. Spatial Stock Structure of the Shovelnose Sturgeon. 134th Annual Meeting of the American Fisheries Society, Madison, WI. August 2005. **NATIONAL**
 40. **Colombo, R.E.**, J.E. Garvey, and R.C. Heidinger. Comparing the Demographics of Channel Catfish in Fished and Un-fished Reaches of the Wabash River. 64th Midwest Fish and Wildlife Conference. Kansas City, MO. December 2003. **REGIONAL**
 41. **Colombo, R.E.**, J.E. Garvey, R.H. Heidinger and R.J. Sheehan. Age, Growth and Mortality of Channel Catfish in the Wabash River. Indiana American Fisheries Society Fish and Wildlife Conference. Indianapolis, IN. March 2003. **STATE**

42. **Colombo, R.E.**, J.E. Garvey, R.H. Heidinger and R.J. Sheehan. Population Demographics of Channel Catfish, *Ictalurus punctatus*, in the Wabash River. Annual Meeting of the Illinois Chapter of the American Fisheries Society Meeting. Rend Lake, IL. February 2003. **STATE**

43. **Colombo, R.E.** Sturgeon Research at Southern Illinois University. Georgia American Fisheries Society Meeting. Rome, GA. January 2003. **STATE**

***STUDENT COAUTHOR**

† UNDERGRADUATE COAUTHOR

X. Invited Presentations

1. *Colombo, R.E., M. Pant, J. West, and T. Thomas. Impacts of restoration on the fish community assemblage in a small Midwestern River. 73rd Midwest Fish and Wildlife Conference, Wichita, KS. December 2012. **REGIONAL**
2. **Colombo, R.E.** and 13 coauthors. Distribution, life history and population status of the shovelnose sturgeon. 138th Annual Meeting of the American Fisheries Society. Nashville, TN. September 2009. **NATIONAL**
3. **Colombo, R.E.**, J.E. Garvey, S.J. Tripp, and C.J. Williamson. Impacts of commercial exploitation of riverine fish stocks with implications to different life histories. Southern Illinois University, Ecology Center Seminar Series. **UNIVERSITY**
4. **Colombo, R.E.**, J.E. Garvey, D. Herzog, R. Hrabik, N.D. Jackson. Harvest induced impacts on the demographics of shovelnose sturgeon with implications to the pallid sturgeon. MICRA Sturgeon and Paddlefish Meeting. St. Louis, MO. January 2007. **REGIONAL**
5. **Colombo, R.E.**, J.E. Garvey, and R.C. Heidinger. Influence of a reserve on the catfish populations in the Wabash River. Ohio River Fisheries Management Program Meeting. Winslow, IN. May 2004. **REGIONAL**

XI. Poster Presentations

1. *Pant, M., J. West, T. Thomas, and R.E. Colombo. Impacts of Restoration on Fishes, Macroinvertebrates, and Physical Habitat in Kickapoo Creek, Charleston, IL. 51st Annual meeting of the Illinois American Fisheries Society, Rend Lake, IL. March 2013. **STATE**
2. *Rayford, S.V., C.J. Moody, L. Frankland, and **R.E. Colombo**. Population Demographics of Channel and Blue Catfish in the Wabash River Using a Multi-gear Approach. 51st Annual meeting of the Illinois American Fisheries Society, Rend Lake, IL. March 2013. **STATE**

3. *Huck, S., J. Laursen, C. Pederson, and **R. Colombo**. Demographics of a Lightly Exploited Channel Catfish Population in the Sangamon River. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**
4. *Pant, M., J.L. West, T. Thomas, and **R.E. Colombo**. Habitat Restoration Leads to Higher Diversity and Density of fishes in a Small Midwestern Stream. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**
5. *Nepal K.C., V., L. Frankland, and R.E. Colombo. Demographics of the Commercially Exploited Shovelnose Sturgeon Population in the Wabash River, Illinois. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN. September 2012. **NATIONAL**
6. *Huck, S., J. Laursen, C. Pederson, and **R. Colombo**. Demographics of a Lightly Exploited Channel Catfish Population in the Sangamon River. 50th Meeting of the Illinois American Fisheries Society. February 2012. **STATE**
7. †Krick, M., A. Porreca, M. Menze, and **R. Colombo**. Comparison of Bluegill (*Lepomis macrochirus*) Population Demographics between a Thermally Altered and an Ambient Lake Environment 50th Meeting of the Illinois American Fisheries Society. February 2012. **STATE**
8. *Porreca, A. P., M. Pant, C. L. Pederson, and **R. E. Colombo**. Evaluating the Effects of an Altered Thermal Regime on Sportfish Species. Poster. 141st Annual Meeting of The American Fisheries Society, Seattle, WA. September 2011. **NATIONAL**
9. *Stuck, J., L. Frankland, G. Sass, D. Wahl, and **R. Colombo**. Population Status of Silver Carp, *Hypophthalmichthys molitrix*, on the Illinois River. Poster. 141st Annual Meeting of the American Fisheries Society, Seattle, WA. September 2011. **NATIONAL**
10. *Moody, C., L. Frankland, G. Sass, and **R Colombo**. Demographics of a exploited population of flathead catfish in the Wabash River. 141st Annual Meeting of the American Fisheries Society, Seattle, WA. September 2011. **NATIONAL**
11. *West, J. L., T. Thomas, and **R.E. Colombo**. Habitat Restoration of Kickapoo Creek. 71st Midwest Fish and Wildlife Conference. Minneapolis, MN. December 2010. **REGIONAL**

12. *Miller, C., **R. Colombo**, and C. Pederson. Diversity of Ichthyofauna in tributary streams of the Sangamon River. 71st Midwest Fish and Wildlife Conference. Minneapolis, MN. December 2010. **REGIONAL**
13. *Miller, C., **R. Colombo**, and C. Pederson. Comparative fish assemblages of the Lake Decatur Watershed. 70th Midwest Fish and Wildlife Conference. Springfield, IL. December 2009. **REGIONAL**
14. Phelps, Q.E., **R.E. Colombo**, J.E. Garvey and R.C. Heidinger. Comparison of channel catfish age estimates and resulting population demographics using two common structures. 138th Annual Meeting of the American Fisheries Society, Ottawa, Can, August 2008. **NATIONAL**
15. Phelps, Q.E., **R.E. Colombo**, J.E. Garvey and R.C. Heidinger. Gear Specific Population Demographics of Channel Catfish in a Large River. 67th Midwest Fish and Wildlife Conference. Omaha, NE. December 2006. **REGIONAL**
16. Tripp, S.J., **R.E. Colombo**, J.E. Garvey and Q.E. Phelps. Using Sex-specific Population Demographics to Predict Responses of Shovelnose Sturgeon to Harvest. 67th Midwest Fish and Wildlife Conference. Omaha, NE. December 2006. **REGIONAL**
17. Spier, T.W., J.E. Garvey, R. Brooks and **R.E. Colombo**. Movement and Habitat Use by the Pallid and Shovelnose Sturgeon in the Middle Mississippi River. 134th Annual Meeting of the American Fisheries Society, Madison, WI. August 2005. **NATIONAL**
18. **Colombo, R.E.**, P.S. Wills, and J.E. Garvey. A Guide to the Embryological Development of the Shovelnose Sturgeon (*Scaphirhynchus platyrhynchus*) Reared at a Constant Temperature. 2004 Joint Meeting of Ichthyologists and Herpetologists. Norman, OK. May 2004. **NATIONAL**

***STUDENT COAUTHOR**

†UNDERGRADUATE COAUTHOR

XII. Extramural Grants

1. **Colombo, R.E.** and E.K Bollinger. 2013-2014. Long Term River Monitoring Program of the Wabash River. U.S. Fish and Wildlife Service, Federal Aid in Sportfish Restoration. \$250,000
2. **Colombo, R.E.** and S. Meiners. 2013-2015. Impacts of Dam Removals on Fish and Macroinvertebrate Community Assemblage. Illinois State Wildlife Initiative Grant. \$30,000.

3. **Colombo, R.E.** and E. Bollinger. 2012-2013. Demographics of Catfish Populations in the Wabash River. U.S. Fish and Wildlife Service, Federal Aid in Sportfish Restoration. \$84,000
4. **Colombo, R.E.** and A. Schrey. 2010-2014. Monitoring the populations of sportfish in an Illinois power cooling lake. AMEREN Electrical Generation Co. \$176,000
5. **Colombo, R.E.**, J. Laursen, and C. Pederson. 2010-2015. Biotic assessment of water quality in a stretch of the Sangamon River. Sanitary District of Decatur. \$328,943
6. **Colombo, R.E.** 2010-2014. Assessment of Asian Carp Recruitment in the Illinois River. Illinois Natural History Survey. \$125,000
7. **Colombo, R.E.** 2010-2015. Sportfish movement on the Wabash River. Illinois Department of Natural Resources. \$50,000
8. **Colombo, R.E.** 2010-2013. Demographics of flathead catfish on the Wabash River. Illinois Natural History Survey. \$54,000
9. Pederson, C.P. and **R.E. Colombo.** 2010-2012. Lake/Reservoir Phytoplankton Biocriteria. Illinois Environmental Protection Agency. \$22,000
10. **Colombo, R.E.** 2009-2011. Restoration of Kickapoo Creek. Illinois Department of Natural Resources. \$20,000

XIII. Internal Grants

1. Colombo, R.E. 2010. College of Science Early Research Grant. Eastern Illinois University. \$300
2. Colombo, R.E. and M. Menze. 2012. Life in Hot Water. Council on Faculty Research. Eastern Illinois University. \$4800
3. Menze, M., Colombo, R.E., G. Bulla, K. Gaines, K. Hung, and J. Novack. 2011. Using Inquiry-based Learning Modules to Vertically Integrate Core Biological Concepts in the Biology Majors Curriculum. Proposal Initiative Fund. Eastern Illinois University. \$7000

XIV. Graduate Students

1. Candice Miller: Population demographics of white and black crappie central Illinois Reservoirs. Graduated December 2011. Current Ph.D. student Oklahoma State University

2. Anthony Porreca: Impacts of hot water effluent on sportfish communities. Graduated December 2012. Current Ph.D. student Southern Illinois University, Carbondale.
3. Jason Stuck: Comparison of Asian carp demographics in the Wabash and Mississippi Rivers. Graduated December 2012. Current Shellfish Biologist South Carolina Fish and Game.
4. John West: Impacts of stream habitat restoration on fish and macroinvertebrate assemblages. Expected Graduation May 2013. Current fish Biologist U.S. Fish and Wildlife Service.
5. Cassi Moody: Demographics of flathead catfish in the Wabash River. Expected Graduation May 2013. Current faculty research assistant Eastern Illinois University
6. Sarah Huck: Channel Catfish Population dynamics in two Midwestern rivers. Expected Graduation December 2013
7. Amanda Wildenberg: Impacts of waste water effluent on freshwater mussel populations. Expected Graduation May 2013
8. Manisha Pant: Impacts of Restoration on Fishes, Macroinvertebrates, and Physical Habitat in Kickapoo Creek, Charleston, IL. Expected Graduation December 2013
9. Vaskar Nepal K.C.: Population demographics of shovelnose sturgeon in the lower 200 miles of the Wabash River. Expected Graduation December 2013
10. Ryan Hastings. Impact of Dam Removal on Fish and Macroinvertebrate Community Assemblage. Expected Graduation May 2014.
11. Sharon Rayford. Habitat associations of young of the year fishes in a large unimpounded river. Expected Graduation May 2014.
12. David Olesch. Comparison of Diet Preference in Saugeye populations in Three Illinois Reservoirs with different Prey Bases. Expected Graduation May 2014

XV. Student's Awards

1. Hillary Duff Student Travel Award 2010 – Candice Miller (\$500)
2. Distinguished Graduate Student 2012 – Anthony Porreca
3. Graduate School Showcase 2012 – Anthony Porreca
4. Williams Travel Award
 - a. Candice Miller (\$500)

- b. John West x2 (\$400)
- c. Jason Stuck (\$400)
- d. Anthony Porreca (\$500)
5. Provost Research Assistantship 2011 – Anthony Porreca (\$9000)
6. ILAFS Student Research Grant
 - a. 2012 – Cassi Moody (\$500)
 - b. 2013 – Vaskar Nepal (\$500)
 - c. 2013 – Sarah Huck (\$500)
 - d. 2013 – Amanda Wildenberg (\$500)
7. ILMA Student Research Grant 2012 – Anthony Porreca (\$1000)
8. ISAS Student Research Grant 2012 – Amanda Wildenberg (\$500)
9. Graduate School Investigator Award
 - a. 2011 – Cassi Moody (\$250)
 - b. 2012 – Jason Stuck (\$250)
 - c. 2013 – Manisha Pant (\$250)
 - d. 2013 – Sarah Huck (\$250)
 - e. 2013 – Amanda Wildenberg (\$250)
10. Research/Creative Activity Award
 - a. Candice Miller, spring 2010 - \$1000
 - b. John West, spring 2010 - \$1000, spring 2011 - \$875
 - c. Jason Stuck, spring 2011 - \$875, spring 2012 - \$1000
 - d. Cassi Moody, spring 2011 - \$875, spring 2012 - \$1000
 - e. Sarah Huck, spring 2012 - \$1000, spring 2013 - \$1000
 - f. Ryan Hastings, fall 2012 - \$400
 - g. Vaskar Nepal K.C., fall 2012 - \$400
 - h. Manisha Pant, fall 2012 - \$400
 - i. Sharon Rayford, fall 2012 - \$400
 - j. David Olesch, spring 2013 - \$1000
11. North American Sturgeon and Paddlefish Society (NASPS) Travel Award – 2012
Vaskar Nepal KC (\$250)

XVI. Honors and Awards

- Edwin L. “Bud” May Award, Outstanding Achievement in Research and Grants, Eastern Illinois University, 2012.
- Achievement and contribution award (Research), Eastern Illinois University, 2010.
- Faculty of the Year, Southern Illinois University, School of Medicine, 2007 & 2008
- Dissertation Research Assistantship Award, Southern Illinois University Carbondale, summer 2007. (University, \$4,000)
- Foote and Foote Award for Outstanding Teaching Assistant in the Department of Zoology, 2006. Approximately 50 TAs in the Department. (University, \$1,500)
- Best Lectern Presentation, Mississippi River Research Consortium Meeting. La Crosse, WI. 2006. (Regional, \$500)

- Lewis L. Osborne Award for Best Student Presentation, Illinois Chapter of the American Fisheries Society, Quad Cities 2005. (Regional, \$500)
- John E. Skinner Memorial Fund Award 2005. (National, \$650)
- Illinois American Fisheries Society Travel Grant 2005 and 2006. (Regional, \$250)

XVII. Professional Societies and Service

1. Memberships

- Sigma Xi Research Society, 2011 – Present
- American Fisheries Society, 2001 –Present
- Illinois Chapter American Fisheries Society, 2003 – Present
- Education Section of the American Fisheries Society, 2003 – Present
- Phi Kappa Phi Honor Society, 2003 – Present
- Management Section of the American Fisheries Society, 2003 – Present

2. Offices Held

- Esocid Technical Committee, North Central Division AFS – 2010 – Present
- Environmental Concerns Committee, IL AFS – 2011 – Present
- Excellence Committee, Education Section of AFS, 2006-2010
- Newsletter Editor, Management Section of the AFS, 2003 – 2006
- President, Student Chapter, American Fisheries Society. SIUC, 2004
- President, Student Chapter, American Fisheries Society. SUNY ESF. 1997

3. Professional Service

- Judge, Student Poster Competition, American Fisheries Society, 2006
- Reviewer, Journal of Fish Biology, 2008 - Present
- Reviewer, American Fisheries Society Books, 2007-Present
- Reviewer, North American Journal of Aquaculture, 2006-Present
- Reviewer, North American Journal of Fisheries Management, 2005 – Present
- Reviewer, Journal of Applied Ichthyology, 2006 - Present

XVIII. University Service

- Chair, Graduate Student Investigator Award Committee, 2013
- Chair, Search Committee, Anatomist/Physiologist, 2012-2013
- Chair, Achievement and Contribution Awards Committee, 2012
- Member, Council on Faculty Research, 2012 – Present
- Member, Graduate Student Investigator Committee, 2011 – Present
- Member, Achievement and Contribution Awards Committee, 2011
- Member, Enrollment Management Committee, 2011 – Present
- Member, Search Committee, Wildlife Ecologist/Mammologist, Eastern Illinois University, 2010
- Faculty Advisor, Phi Sigma Biological Sciences Honor Society, Eastern Illinois University, 2010-present

- Faculty advisor, Hunting and Fishing Club, Eastern Illinois University, 2009 - present
- Faculty advisor, Fisheries and Wildlife Club, Eastern Illinois University, 2009 – present
- Mentor, Minority Mentoring in Math and Science, 2009 – Present
- Member, Faculty Fellows, Eastern Illinois University, 2009 – Present
- Member, Women in Math and Science Advisory Board, 2010 – 2011
- Member, Search Committee for Assistant Professor in the School of Medicine, Department of Anatomy, 2008
- Member, Search Committee for Assistant Professor in the College of Science, Department of Zoology, 2006
- Judge for Illinois Junior Academy of Science, Regional Science Fair, 2004 - Present

XIX. Other Skills

- Proficient in FAST, FAMS, and FISHSTAT II fisheries modeling packages
- Proficient in R, SAS, SPSS, and JMP data analysis packages
- Proficient in the analysis of mark-recapture data and the program MARK
- SCUBA certified Open Water II
- Coast Guard Boat Safety

XVIII. References

1. Dr. Roy Heidinger
Professor Emeritus
Southern Illinois University
618-536-7761
heidigr@midwest.net

2. Dr. James Garvey
Professor
Southern Illinois University
Department of Zoology
Director, Fisheries and Illinois Aquaculture Center
618-536-7761
jgarvey@siu.edu

3. Dr. Eric Bollinger
Professor
Eastern Illinois University
Department of Biological Sciences
217-581-6653
ekbollinger@eiu.edu

4. Dr. Jeff Laursen
Professor
Eastern Illinois University
Department of Biological Sciences
217-581-3914
jrlarsen@eiu.edu

5. Dr. Charles Pederson
Professor
Eastern Illinois University
Department of Biological Sciences
217-581-6239
clpederson@eiu.edu