

## Jacques RINCHARD

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### Education

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- 1996: Ph.D. Facultés Universitaires Notre-Dame de la Paix, Namur (Belgium), Unité de Recherche en Biologie des Organismes, Unité d'Ecologie des Eaux Douces-Laboratory of Freshwater Ecology.
- 1991: Teaching certificate in Biology - Agrégation de l'Enseignement Secondaire Supérieur Facultés Universitaires Notre-Dame de la Paix, Namur (Belgium), Unité de Méthodologie et de Didactique de la Biologie.
- 1991: M.S. Facultés Universitaires Notre-Dame de la Paix, Namur (Belgium), Unité d'Ecologie des Eaux Douces-Laboratory of Freshwater Ecology (Prof. Jean-Claude Micha).

### Activity

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- September 2007 to present: Assistant Professor at SUNY Brockport (Department of Environmental Science and Biology).
- December 2005 to August 2007: Research Investigator at the University of Michigan (School of Natural Resources and Environment) and USGS Great Lakes Research Center.
- March 2003 to November 2005: Postdoctoral Research Associate at The Ohio State University (School of Natural Resources, Prof. Konrad Dabrowski).
- October 2001 to February 2003: Postdoctoral Research Associate at Texas Tech University (The Institute of Environmental and Human Health, TIEHH, Department of Environmental Toxicology, Prof. Christopher Theodorakis).
- July 1999 to September 2001: Postdoctoral Research Associate at The Ohio State University (School of Natural Resources, Prof. Konrad Dabrowski).
- March 1997 to June 1999: Visiting Scholar at The Ohio State University (School of Natural Resources, Prof. Konrad Dabrowski).
- December 1996 to March 1997: Postdoctoral Research Associate at the Facultés Universitaires Notre-Dame de la Paix, Belgium (Unité de Recherche en Biologie des Organismes, Unité d'Ecologie des Eaux Douces-Laboratory of Freshwater Ecology, Prof. Jean-Claude Micha).
- September 1991 to December 1996: Research Associate at the Facultés Universitaires Notre-Dame de la Paix, Belgium (Unité de Recherche en Biologie des Organismes, Unité d'Ecologie des Eaux Douces-Laboratory of Freshwater Ecology, Prof. Jean-Claude Micha).

### Teaching

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Undergraduate courses: Aquaculture I (ENV495), Animal Ecophysiology (ENV476)  
 Graduate courses: Aquaculture I (ENV595), Animal Ecophysiology (ENV576)

### Publications

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Trattner, S., Pickova, J., Park, K.H., Rinchar J. and Dabrowski, K., 2007. Effects of  $\alpha$ -lipoic and ascorbic acid in nutrition of South American pacu *Piaractus mesopotamicus* – muscle and brain fatty acids and antioxidants. Submitted to Aquaculture.

- Czesny, S., Rinchar, J. and Dabrowski, K., 2007. Utilization of fatty acids by juvenile walleye *Stizostedion vitreum* under conditions of prolonged swimming, fasting, and predator presence. Submitted to Fisheries Management and Ecology.
- Dabrowski, K., Arslan, M., Rinchar, J. and Palacios, M., 2007. Growth, maturation, induced spawning and production of the first generation of South American catfish (*Pseudoplatystoma* sp.) in the North America. Accepted in *Journal of the World Aquaculture Society*.
- Arslan, M., Rinchar, J., Portella, M.C. and Dabrowski, K., 2007. Effects of different dietary lipid sources on the survival, growth and fatty acid composition of South American catfish (*Pseudoplatystoma fasciatum*) juveniles. Accepted in *Journal of the World Aquaculture Society*.
- Park, J.W., Bradford, C., Rinchar, J., Liu, F., Wages, M., Waters, A., Kendall, R., Anderson, T. and Theodorakis, C.W., 2007. Uptake, elimination, and relative distribution of perchlorate in various tissues of channel catfish. *Environmental Science and Technology* in press.
- Rinchar, J., Becheret, R. and Dabrowski, K., 2007. Growth, survival, and body composition of yellow perch *Perca flavescens* juveniles fed commercial and experimental diets. Accepted in *North American Journal of Aquaculture*.
- Rinchar, J., Czesny, S. and Dabrowski, K., 2007. Influence of lipid class and fatty acid deficiency on survival, growth, and fatty acid composition in rainbow trout juveniles. *Aquaculture*, 264, 363-371.
- Rinchar, J., Dabrowski, K. and Garcia-Abiado, M.A., 2006. High efficiency of meiotic gynogenesis in sea lamprey *Petromyzon marinus*. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, 306B, 521-527.
- Falahatkar, B., Dabrowski, K., Arslan, M. and Rinchar, J., 2006. Effects of ascorbic acid enrichment by immersion of rainbow trout (*Onchorhynchus mykiss*) eggs and embryos. *Aquaculture Research*, 37, 834-841.
- Bradford, C.M., Park, J.W., Rinchar, J., Anderson, T.A., Liu, F. and Theodorakis, C., 2006. Uptake and elimination of perchlorate in eastern mosquitofish. *Chemosphere*, 63, 1591-1597.
- Theodorakis, C.W., Rinchar, J., Park, J.W., McDaniel, L. and Liu, F., 2006. Thyroid endocrine disruption in stonerollers and cricket frogs from perchlorate-contaminated streams in east-central Texas. *Ecotoxicology*, 15, 31-50.
- Park, J.W., Rinchar, J., Liu, F., Anderson, T.A., Kendall, R.J. and Theodorakis, C.W., 2006. The thyroid endocrine disruptor perchlorate affects reproduction, growth, and survival of mosquitofish. *Ecotoxicology and Environmental Safety*, 63, 343-352.
- Lee, K.J., Rinchar, J., Dabrowski, K., Babiak, I., Ottobre, J.S. and Christensen, J.E., 2006. Long-term effects of dietary cottonseed meal on growth and reproductive performance of rainbow trout: three year study. *Animal Feed Science and Technology*, 126, 93-106.
- Theodorakis, C.W., Rinchar, J., Anderson, T.A., Liu, F., Park, J.W., Costa, P., McDaniel, L., Kendall, R. and Waters, A., 2006. Perchlorate in fish from a contaminated site in east-central Texas. *Environmental Pollution*, 139, 59-69.
- Rinchar, J., Dabrowski, K., Van Tassel, J.J. and Stein, R.A., 2005. Optimization of fertilization success in *Sander vitreus* is influenced by the sperm:egg ratio and ova storage. *Journal of Fish Biology*, 67, 1157-1161.
- Bradford, C.M., Rinchar, J., Carr, J.A. and Theodorakis, C., 2005. Perchlorate affects thyroid function in eastern mosquitofish (*Gambusia holbrooki*) at environmentally relevant concentrations. *Environmental Science and Technology*, 39, 5190-5195.
- Park, J.W., Rinchar, J., Anderson, T.A., Liu, F. and Theodorakis, C.W., 2005. Food chain transfer of perchlorate in largemouth bass, *Micropterus salmoides*. *Bulletin of Environmental Contamination and Toxicology*, 74, 56-63.
- Czesny, S., Rinchar, J. and Dabrowski, K., 2005. Intra-population variation of egg lipid/fatty acid composition and embryo viability in a naturally spawning walleye population from an inland reservoir. *North American Journal of Fisheries Management*, 25, 122-129.
- Capps, T., Mukhi, S., Rinchar, J., Theodorakis, C.W., Blazer, V.S. and Patino, R., 2004. Exposure to perchlorate induces the formation of macrophage aggregates in the trunk kidney of zebrafish and mosquitofish. *Journal of Aquatic Animal Health*, 16, 145-151.
- Garcia-Abiado, M.A., Mbahinzireki, G., Rinchar, J., Lee, K.J. and Dabrowski, K., 2004. Effect of diets containing gossypol on blood parameters and spleen structure in *Oreochromis* sp. reared in a recirculated system. *Journal of Fish Diseases*, 27, 359-368.
- Lee, K.J., Dabrowski, K., Rinchar, J., Gomez, C., Guz, L. and Vilchez, C., 2004. Supplementation of maca (*Lepidium meyenii*) tuber meal in diets improves growth rate and survival of rainbow trout *Oncorhynchus mykiss* (Walbaum) alevins and juveniles. *Aquaculture Research*, 35, 215-223.

- Dabrowski, K., Rinchar, J., Ottobre, J.S., Alcantara, F., Padilla, P., Ciereszko, A., De Jesus, M.J. and Kohler, C.C., 2003. Effect of oxygen saturation in water on reproductive performances of pacu *Piaractus brachypomus*. *Journal of World Aquaculture Society*, 34, 441-449.
- Dabrowski, K., Lee, K.J. and Rinchar, J., 2003. The smallest vertebrate, teleost fish, can utilize synthetic dipeptide-based diets. *Journal of Nutrition*, 133, 4225-4229.
- Rinchar, J., Lee, K.J., Czesny, S., Ciereszko, A. and Dabrowski, K., 2003. Effect of feeding cottonseed meal-containing diets to broodstock rainbow trout and their impact on growth of their progenies. *Aquaculture*, 227, 77-87.
- Yufer, M., Kolkovski, S., Fernandez-Diaz, C., Rinchar, J., Lee, K.J. and Dabrowski, K., 2003. Delivering bioactive compounds to fish larvae using microcapsulated diets. *Aquaculture*, 227, 277-291.
- Czesny, S., Rinchar, J., Garcia-Abiado, M.A. and Dabrowski, K., 2003. The effect of fasting, prolonged swimming, and predator presence on energy utilization and stress in juvenile walleye (*Stizostedion vitreum*). *Physiology and Behavior*, 79, 597-603.
- Rinchar, J., Lee, K.J., Dabrowski, K., Ciereszko, A., Blom, J.H. and Ottobre, J.S., 2003. Influence of gossypol from dietary cottonseed meal on haematology, reproductive steroids and tissue gossypol enantiomer concentrations in male rainbow trout (*Oncorhynchus mykiss*). *Aquaculture Nutrition*, 9, 275-282.
- Dabrowski, K., Lee, K.J. and Rinchar, J., 2003. Utilization of cottonseed meal for salmonid feeds. *Aquafeed International*, 6, 16-18.
- Rinchar, J. and Kestemont, P., 2003. Liver changes related to oocyte growth in roach, a in single spawner fish, and in bleak and white bream, two multiple spawner fish. *International Review of Hydrobiology*, 88, 68-76.
- Rinchar, J., Dabrowski, K. and Ottobre, J., 2002. Changes of plasma steroid concentrations associated with spontaneous or induced ovulation in yellow perch *Perca flavescens*. *Fish Physiology and Biochemistry*, 26, 239-248.
- Rinchar, J., Mbahinzireki, G., Dabrowski, K., Lee, K.J., Garcia-Abiado, M.A.R. and Ottobre, J., 2002. Effects of cottonseed meal protein levels on growth, gonad development and plasma sex steroid hormones of tropical fish tilapia *Oreochromis* sp. *Aquaculture International*, 10, 11-28.
- Garcia-Abiado, M.A.R., Lynch W.E.Jr., Dabrowski, K., Czesny, S., Rinchar, J. and Stafford, J., 2002. Juvenile growth and survival of heat-shocked hybrid triploid saugeyes, *Stizostedion vitreum* x *S. canadense*. *Fisheries Management and Ecology*, 9, 105-110.
- Rinchar, J., Garcia-Abiado, M.A., Dabrowski, K., Ottobre, J. and Schmidt, D., 2002. Induction of gynogenesis, rearing and gonad development in muskellunge *Esox masquinongy*. *Journal of Fish Biology*, 60, 427-441.
- Garcia-Abiado, M.A.R., Rinchar, J. and Dabrowski, K., 2001. Meiotic gynogenesis induction in muskellunge *Esox masquinongy* by thermal and pressure shocks. *Journal of World Aquaculture Society*, 32, 195-201.
- Blom, J.H., Lee, K.J., Rinchar, J., Dabrowski, K. and Ottobre, J., 2001. Reproductive efficiency and maternal-progenies transfer of gossypol in rainbow trout (*Oncorhynchus mykiss*) fed diets containing cottonseed meal. *Journal of Animal Science*, 79, 1533-1539.
- Rinchar, J., Dabrowski, K. and Ottobre, J., 2001. Plasma sex steroids in lake whitefish *Coregonus clupeaformis* during spawning in Lake Erie. *Comparative Biochemistry and Physiology C*, 129, 65-74.
- Kestemont, P., Rinchar, J. and Damoiseau, F., 2001. Variations in egg and larval quality in two multiple spawner cyprinid fish, the bleak *Alburnus alburnus* and the white bream *Blicca bjoerkna*. *Archiv für Hydrobiologie Supplement*, 135, 357-371.
- Dabrowski, K., Lee, K.J., Rinchar, J., Ciereszko, A., Blom, J.H. and Ottobre, J., 2001. Gossypol isomers bind specifically to blood plasma proteins and spermatozoa of fish fed cottonseed meal-containing diets. *Biochemica et Biophysica Acta - General subjects*, 1525, 37-42.
- Sulistyo, I., Fontaine, P., Rinchar, J., Gardeur, J.N., Migaud, H., Capdeville, B. and Kestemont, P., 2000. Reproductive cycle and plasma sex steroid profiles in male Eurasian perch *Perca fluviatilis*. *Aquatic Living Resources*, 13, 99-106.
- Dabrowski, K., Rinchar, J., Lin, F., Garcia-Abiado, M.A. and Schmidt, D., 2000. Induction of gynogenesis in muskellunge with irradiated sperm of yellow perch proves diploid muskellunge male homogamety. *Journal of Experimental Zoology*, 287, 96-105.
- Dabrowski, K., Rinchar, J., Lee, K.J., Blom, J.H., Ciereszko, A., and Ottobre, J., 2000. Effects of diets containing gossypol on reproductive capacity of rainbow trout (*Oncorhynchus mykiss*). *Biology of Reproduction*, 62, 227-234.

- Rinchar, J., Ciereszko, A., Dabrowski, K. and Ottobre, J., 2000. Effects of gossypol on sperm viability and plasma sex steroid hormones in male sea lamprey, *Petromyzon marinus*. *Toxicology Letters*, 111, 189-198.
- Rinchar, J., Dabrowski, K., Garcia-Abiado, M.A.R. and Ottobre, J., 1999. Uptake and depletion of 17 $\alpha$ -methyltestosterone during induction of masculinization in muskellunge, *Esox masquinongy*: effect on plasma steroids and sex reversal. *Steroids*, 64, 518-525.
- Kestemont, P., Rinchar, J., Feys, V. and Fostier, A., 1999. Spawning migrations, sexual maturity and sex steroid levels in female roach *Rutilus rutilus* from the river Meuse. *Aquatic Sciences*, 61, 111-121.
- Beelen, R., Rinchar, J., Kestemont, P., Micha, J.C. and Mendes Guimaraes P., 1998/1999. Etude comparative de la stratégie de reproduction du gardon (*Rutilus rutilus* L.) et du goujon (*Gobio gobio* L.) sous des conditions thermiques contrôlées: relation entre la température et l'ovogenèse. *Boletim do Instituto de Pesca, São Paulo*, 25, 31-43.
- Sulisty, I., Rinchar, J., Fontaine, P., Gardeur, J.N., Capdeville, B. and Kestemont, P., 1998. Reproductive cycle and plasma levels of sex steroids in female Eurasian perch *Perca fluviatilis*. *Aquatic Living Resources*, 11, 101-110.
- Rinchar, J., Poncin P. and Kestemont, P., 1998. Croissance ovocytaire et régulation stéroïdienne chez les poissons à pontes unique et multiples. *Annales de Limnologie*, 34, 211-225.
- Rinchar, J., Kestemont, P. and Heine, R., 1997. Comparative study of reproductive biology in single- and multiple-spawner cyprinid fish. II. Sex steroid and plasma protein phosphorus concentrations. *Journal of Fish Biology*, 50, 169-180.
- Poncin, P., Jeandarme, J., Rinchar, J. and Kestemont, P., 1997. Le comportement de reproduction du goujon, *Gobio gobio*, en aquarium: premiers résultats. *Bulletin Français de Pêche et de Pisciculture*, 346, 547-555.
- Rinchar, J. and Kestemont, P., 1996. Comparative study of reproductive biology in single- and multiple-spawner cyprinid fish. I. Morphological and histological features. *Journal of Fish Biology*, 49, 883-894.
- Rinchar, J., 1996. Etude comparative de la reproduction chez les poissons à pontes unique et multiples. Ph.D. Thesis. Presses Universitaires de Namur, Namur, 389p. (ISBN#2870372302).
- Rinchar, J., Kestemont, P., Kühn, E.R. and Fostier, A., 1993. Seasonal changes in plasma levels of steroid hormones in an asynchronous fish the gudgeon *Gobio gobio* L. (Teleostei, Cyprinidae). *General and Comparative Endocrinology*, 92, 168-178.

#### **Proceedings and abstracts (\*speaker)**

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- Rinchar\*, J., Riley, S., Begnoche, L., Honeyfield, D. and S. Czesny, 2007 (oral presentation). Thiamine status of lake trout eggs in Lake Michigan. Lake Michigan Technical Committee Meeting, Marinette (Wisconsin, USA), 26-27 July, 2007.
- Narula\*, M., Rinchar, J., Czesny, S. and Begnoche, L., 2007 (poster presentation). Lipid and fatty acid concentrations in alewife and deepwater sculpin from Lake Michigan. Undergraduate Research Opportunity Program 2007 Spring Research Symposium, Ann Arbor (Michigan, USA). 11 April, 2007. Gold Ribbon.
- Burbank\*, C., Rinchar, J., Czesny, S. and Begnoche, L., 2007 (poster presentation). Lipid and fatty acid concentrations in yellow perch *Perca flavescens*. Undergraduate Research Opportunity Program 2007 Spring Research Symposium, Ann Arbor (Michigan, USA). 11 April, 2007.
- Rinchar\*, J., Riley, S., Begnoche, L. and Honeyfield, D. 2007 (oral presentation). Thiamine status of lake trout eggs in Lake Michigan and Lake Huron. Lake Michigan Committee Meeting, Ypsilanti (Michigan, USA), 20 March, 2006.
- Czesny\*, S., Rinchar, J., Dettmers, J.M. and Dabrowski, K., 2006 (oral presentation). Pelagic and benthic food web shifts affect availability of PUFA to lake trout; implications for early stages survival. Reintroduction of native fishes research coordination workshop, Ypsilanti (Michigan, USA), 15-16 November, 2006.
- Rinchar\*, J., Czesny, S., Dettmers, J.M. and Dabrowski, K., 2006 (oral presentation). Comparison of lipid and fatty acid composition of yellow perch eggs from Lake Erie and Lake Michigan. Abstract in *American Fisheries Society 136<sup>th</sup> Annual Meeting*, Lake Placid (New York, USA), 10-14 September, 2006, #414.
- Van Tassell\*, J.J., Rinchar, J., Dabrowski, K., Marschall, E.A. and Stein, R.A., 2006 (oral presentation). Do egg and larval characteristics vary with female phenotypes and spawning groups in Lake Erie walleye. Abstract in *American Fisheries Society 136<sup>th</sup> Annual Meeting*, Lake Placid (New York, USA), 10-14 September, 2006, #497.
- Czesny\*, S., Rinchar, J., Dettmers, J.M. and Dabrowski, K., 2006 (oral presentation). Polyunsaturated fatty acids in the Lake Michigan food web and their effect on yellow perch reproductive success. Abstract in *American Fisheries Society 136<sup>th</sup> Annual Meeting*, Lake Placid (New York, USA), 10-14 September, 2006, #847.

- Niggenmyer, A.M., Riley\*, S.C., Nichols, S.J., Rinchar, J. and Krueger, C.C., 2006 (oral presentation). Predicting the occurrence of thiaminase in Great Lakes fishes using ecological information. Abstract in 5<sup>th</sup> International Symposium on Aquatic Animal Health, San Francisco (California, USA), 2-6 September, 2006.
- Arslan\*, M., Rinchar, J., Portella, M.C. and Dabrowski, K., 2006 (oral presentation). South American catfish *Pseudoplatystoma* sp. rearing on diets with different fatty acid profiles. Abstract in *Aqua 2006*, Florencia (Italy), May 9-13, 2006, p. 249.
- Dabrowski\*, K., Rinchar, J. and Rodriguez-Montes, G., 2006 (oral presentation). Induced spawning, larval rearing, weaning to formulated diets, and masculinization with 17 $\alpha$ -methyltestosterone of longnose garfish *Lepisosteus osseus*. Abstract in *Aqua 2006*, Florencia (Italy), May 9-13, 2006, p. 600.
- Rinchar, J. and Dabrowski\*, K., 2006 (oral presentation). Evaluation of growth and reproduction of South American catfish *Pseudoplatystoma* sp. in captivity. Abstract in *Aqua 2006*, Florencia (Italy), May 9-13, 2006, p. 13.
- Frederiksson\*, S., Pickova, J., Park, K.H., Rinchar, J. and Dabrowski, K., 2006 (oral presentation). Effect of lipoic/ascorbic acid in nutrition of South American pacu *Piaractus mesopotamicus* muscle lipids and fatty acid profiles. Abstract in *Aqua 2006*, Florencia (Italy), May 9-13, 2006, p. 699.
- Dabrowski\*, K., Rinchar, J., Van Tassell, J.J., Marschall, E.A. and Stein, R.A., 2006 (oral presentation). Lipids and fatty acid in gametes of Lake Erie walleye. *Lake Erie – Inland Waters, Annual Research Review*, Columbus (Ohio, USA), 24-25 January, 2006.
- Van Tassell\*, J.J., Stein, R.A., Marschall, E.A., Rinchar, J., Dabrowski, K. and Arslan, M., 2006 (oral presentation). Influence of parental phenotypes on characteristics of early life history stages of walleye *Lake Erie – Inland Waters, Annual Research Review*, Columbus (Ohio, USA), 24-25 January, 2006.
- Theodorakis\*, C.W., Rinchar, J. and Dabrowski, K., 2005 (oral presentation). Thyroid endocrine disruption in stonerollers from perchlorate-contaminated streams in east-central Texas. Abstract in *SETAC 2005 North America 26<sup>th</sup> Annual Meeting*, Baltimore (Maryland, USA), 13-17 November, 2005, #THE-111-572188.
- Rinchar\*, J., Dabrowski, K., Van Tassell, J.J., Ciereszko, A., Marschall, E.A. and Stein, R.A., 2005 (oral presentation). Inter-individual variability in Lake Erie walleye sperm quality. Abstract in *American Fisheries Society 135<sup>th</sup> Annual Meeting*, Anchorage (Alaska, USA), 11-15 September, 2005, p. 1375.
- Czesny\*, S., Rinchar, J., Dettmers, J.M. and Dabrowski, K., 2005 (oral presentation). Essential fatty acids in dynamic food webs - yellow perch females are what they eat and their offspring pay for it. Abstract in *American Fisheries Society 135<sup>th</sup> Annual Meeting*, Anchorage (Alaska, USA), 11-15 September, 2005, p. 1371.
- Ware\*, K., Rinchar, J., Dabrowski, k., Van Tassell, J.J., Marschall, E.A. and Stein, R.A., 2005 (poster presentation). Gamete viability and vitamin B<sub>1</sub> in eggs of Lake Erie walleye. Abstract in *American Fisheries Society 135<sup>th</sup> Annual Meeting*, Anchorage (Alaska, USA), 11-15 September, 2005, p. 407.
- Falahatkar, B., Arslan\*, M., Rinchar, J. and Dabrowski, K., 2005 (poster presentation). Effect of ascorbic acid enrichment by immersion of rainbow trout *Oncorhynchus mykiss* eggs and embryos. Abstract in *Larvi'05-Fish & Shellfish Larviculture Symposium*, Gent (Belgium), 3-6 September, 2005 (Hendry, C.I., Van Stappen, G., Wille, M. & Sorgeloos, P. eds), pp. 144-146.
- Dabrowski\*, K., Ciereszko, A., Rinchar, J., 2005 (oral presentation). Effects of chemical and environmental sterilants on sea lamprey sperm fertilizing ability. Abstract in *15<sup>th</sup> International Congress of Comparative Endocrinology Satellite workshop: Reproductive Endocrine System in Agnathans and Protochordates*, Boston (Massachusetts, USA), 22-27 May, 2005, p. 140.
- Van Tassell\*, J.J., Marschall, E.A., Dabrowski, K., Rinchar, J. and Stein, R.A., 2005 (oral presentation). Influence of parental phenotypes on characteristics of early life history stages of walleye. *Lake Erie – Inland Waters, Annual Research Review*, Columbus (Ohio, USA), 27-28 January, 2005.
- Rinchar, J., Dabrowski\*, K., Van Tassell, J.J., Marschall, E.A. and Stein, R.A., 2005 (oral presentation). Fatty acid composition of walleye eggs from different Lake Erie spawning stocks. *Lake Erie – Inland Waters, Annual Research Review*, Columbus (Ohio, USA), 27-28 January, 2005.
- Dabrowski\*, K. and Rinchar, J., 2005 (oral presentation). Utilization of cottonseed meal in rainbow trout diets. Abstract in *Aquaculture America 2005*, New Orleans (Louisiana, USA), 17-20 January 2005, p. 87.
- Dabrowski\*, K., Rinchar, J. and Palacios, M.E., 2005 (oral presentation). Growth and progress towards maturation of South American catfish (*Pseudoplatystoma* sp.) in captivity. Abstract in *Aquaculture America 2005*, New Orleans (Louisiana, USA), 17-20 January 2005, p. 88.
- Rinchar\*, J., Dabrowski, K., Czesny, S. and Dettmers, J., 2005 (oral presentation). Impacts of dietary lipids on yellow perch *Perca flavescens* gametes fatty acid composition and viability of progenies. Abstract in *Aquaculture America 2005*, New Orleans (Louisiana, USA), 17-20 January 2005, p. 371.

- Rinchar\*<sup>\*</sup>, J. and Dabrowski, K., 2005 (oral presentation). Utilization of cottonseed meal in tilapia diets: advantages and limitations. Abstract in *Aquaculture America 2005*, New Orleans (Louisiana, USA), 17-20 January 2005, p. 370.
- Czesny\*<sup>\*</sup>, S., Rinchar\*<sup>\*</sup>, J., Dabrowski, K., Lee K.J. and Dabrowski, K., 2004 (oral presentation). Variation in lake trout early mortality syndrome in Southwest Lake Michigan. Abstract in *Early Mortality Syndrome Workshop*, Ann Arbor (Michigan, USA), September 8-9, 2004.
- Rinchar\*<sup>\*</sup>, J., Park, J.W., Anderson, T. and Theodorakis, C., 2004 (oral presentation). Uptake and elimination of perchlorate, a thyroid endocrine disruptor, in mosquitofish and channel catfish. Abstract in *American Fisheries Society 134<sup>th</sup> Annual Meeting*, Madison (Wisconsin, USA), 22-26 August 2004, p. 237.
- Czesny\*<sup>\*</sup>, S., Rinchar\*<sup>\*</sup>, J., Dettmers, J. and Dabrowski, K., 2004 (oral presentation). Maternal characteristics and polyunsaturated fatty acid in yellow perch eggs determine survival and growth of offspring. Abstract in *American Fisheries Society 134<sup>th</sup> Annual Meeting*, Madison (Wisconsin, USA), 22-26 August 2004, p. 202.
- Rinchar\*<sup>\*</sup>, J., Dabrowski, K., Van Tassell, J.J., Marschall, E.A. and Stein, R.A., 2004 (oral presentation). Evaluation of walleye egg quality from different Lake Erie spawning stocks. Proceedings in *International Congress on the Biology of Fish, Physiology of Fish Eggs and Larvae Symposium*, Manaus (Brazil), August 1-5, 2004, pp. 25-29.
- Czesny\*<sup>\*</sup>, S., Rinchar\*<sup>\*</sup>, J., Dabrowski, K., Lee K.J. and Dabrowski, K., 2004 (oral presentation). Frequency of early mortality syndrome in Lake Michigan lake trout. Proceedings in *International Congress on the Biology of Fish, Physiology of Fish Eggs and Larvae Symposium*, Manaus (Brazil), August 1-5, 2004, pp. 79-82.
- Dabrowski\*<sup>\*</sup>, K., Palacios, M.E., Lee, K.J., Rinchar\*<sup>\*</sup>, J., Stochmal, A. and Oleszek, W., 2004 (oral presentation). The effects of fractionated extracts from soybean on growth and body composition of rainbow trout juveniles. Abstract in *Aquaculture 2004*, Honolulu (Hawaii, USA), March 1-5, 2004, p. 141.
- Van Tassell\*<sup>\*</sup>, J.J., Marschall, E.A., Dabrowski, K., Rinchar\*<sup>\*</sup>, J., and Stein, R.A., 2004 (oral presentation). Does adult size influence embryo survival of Lake Erie walleye? *Lake Erie – Inland Waters, Annual Research Review*, Columbus (Ohio, USA), 26-27 February, 2004.
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### **Awards**

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- 2007: Gold Ribbon Poster from the Undergraduate Research Opportunity Program at the University of Michigan (see Narula *et al.*, 2007 in Proceedings and Abstracts section)
- 2007: Supplementary Research Funding from the Undergraduate Research Opportunity Program at the University of Michigan (\$450)
- 2006: Supplementary Research Funding from the Undergraduate Research Opportunity Program at the University of Michigan (\$300)
- 2005: Ohio Agricultural Research and Development Center (OARDC) Professional Growth Scholarship to present an oral communication at the *American Fisheries Society 135<sup>th</sup> Annual Meeting* (see in Proceedings and Abstracts section)
- 2004: Ohio Agricultural Research and Development Center (OARDC) Professional Growth Scholarship to present two oral communications at Aquaculture America 2005 (see in Proceedings and Abstracts section)
- 2000: Best Fisheries Poster from the Annual Ohio Fish and Wildlife Conference (see Dabrowski *et al.*, 2000 in Proceedings and Abstracts section)
- 1999: Travel Grant from The Fisheries Society of the British Isles (FSBI)
- 1997: Travel Grant from The Fisheries Society of the British Isles (FSBI)

### **Professional Service:**

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#### Reviewer: Journals

Aquatic Sciences  
 Journal of Fish Biology  
 Aquaculture International  
 Physiology and Behavior  
 New Zealand Journal of Marine and Freshwater Research  
 Theriogenology  
 North American Journal of Aquaculture  
 Animal Reproduction Science  
 Advances in Limnology  
 Neotropical Ichthyology  
 Zoological Studies  
 North American Journal of Fisheries Management  
 Environmental Biology of Fishes  
 British Journal of Nutrition  
 Transactions of the American Fisheries Society

#### Reviewer: Institutions

Ohio Agricultural Research and Development Center (OARDC) – Research Enhancement Competitive Grants  
Program – The Ohio State University  
Lake Champlain Sea Grant College Program  
Great Lakes Fishery Commission

### **Student/Research mentoring**

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Kyle Ware: Research Aide at The Ohio State University.  
Illeina Evrard: Work study student at The Ohio State University.  
Linda Begnoche: Laboratory technician at the USGS Great Lakes Science Center.  
Melissa Clouse: Volunteer at USGS Great Lakes Science Center.  
Corey Anne Burbank: Undergraduate Research Opportunity Program-UROP, University of Michigan (2 semesters).  
Elinor Israel: Work study student at the University of Michigan (2 semesters).  
Michael Narula: Undergraduate Research Opportunity Program-UROP, University of Michigan (1 semester).  
Zachary Bryn: Work study student at the University of Michigan (1 semester).  
Michael Gabor: Student Contractor, USGS Great Lakes Science Center.

### **Affiliations**

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Member of The Fisheries Society of the British Isles (FSBI)  
Member of The American Fisheries Society (AFS)  
Member of The European Aquaculture Society (EAS)  
Member of The World Aquaculture Society (WAS)