

Calendar Year 2007

Peer-reviewed Articles Published by INHS Researchers

- Atkinson, T.J., A.N. Miller, S.M. Huhndorf, and D.A. Orlovich. 2007. Unusual new *Chaetosphaeria* species from New Zealand: intrafamilial diversity and elucidations of the Chaetosphaeriaceae-Lasiosphaeriaceae relationship (Sordariomycetes, Ascomycotina). *New Zealand Journal of Botany* 45(4):685–706.
- Baker, S.J., D. Kirk, C.E. Schmidt, and M.J. Dreslik. 2007. *Regina grahamii* (Graham's crayfish snake). *Herpetological Review* 38(1):105–106.
- Beletsky, D., D.M. Mason, D.J. Schwab, E.S. Rutherford, J. Janssen, D.F. Clapp, and J.M. Dettmers. 2007. Biophysical model of larval yellow perch advection and settlement in Lake Michigan. *Journal of Great Lakes Research* 33(4):842–866.
- Cameron, S.L., K.P. Johnson, and M.F. Whiting. 2007. The mitochondrial genome of the screamer louse *Bothriometopush* (Phthiraptera : Ischnocera): effects of extensive gene rearrangements on the evolution of the genome. *Journal of Molecular Evolution* 65(5):589–604.
- Cao, Y., C.P. Hawkins, D.P. Larsen, and J. Van Sickle. 2007. Effects of sample standardization on mean species detectabilities and estimates of relative differences in species richness among assemblages. *American Naturalist* 170(3):381–395.
- Cao, Y., C.P. Hawkins, J. Olson, and M.A. Kosterman. 2007. Modeling natural environmental gradients improves the accuracy and precision of diatom-based indicators. *Journal of the North American Benthological Society* 26(3):566–585.
- Ceotto, P.C., G. Mejdalani, and D.M. Takiya. 2007. Phylogeny of the Neotropical sharpshooter genus *Acobelus* Stal (Hemiptera, Cicadellidae, Cicadellinae). *Deutsche Entomologische Zeitschrift* 54(1):35–41.
- Chaudhary, P., J. Fournier, and A.N. Miller. 2007. *Cercophora aquatica* sp. nov. from a streambed in southern France. *Sydowia* 59(2):217–225.
- Claerbout, A.E., J.M. Coons, H.R. Owen, and K.R. Robertson. 2007. Floral biology of *Physaria ludoviciana* (Brassicaceae), a plant rare to the Midwest. *Castanea* 72(3):130–137.
- Clark, J.D., B.N. Devisetty, S.C. Krause, R.J. Novak, and P. Warrior. 2007. A novel method for evaluating the particle distributional behavior of a spray-dried technical concentrate and a water-dispersible granule formulation of *Bacillus thuringiensis* subsp. *israelensis* in an aqueous column. *Journal of the American Mosquito Control Association* 23(1):60–65.
- Cloyd, R.A., A. Dickinson, and K.E. Kemp. 2007. Effect of diatomaceous earth and *Trichoderma harzianum* T-22 (Rifai strain KRL-AG2) on the fungus gnat *Bradysia* sp. nr. *coprophila* (Diptera : Sciaridae). *Journal of Economic Entomology* 100(4):1353–1359.

- Cloyd, R.A., A. Dickinson, R.A. Larson, and K.A. Marley. 2007. Effect of growing media and their constituents on fungus gnat, *Bradysia* sp nr. *coprophila* (Lintner) adults. Insect Science 14(6):467–475.
- . 2007. Phototaxis of fungus gnat, *Bradysia* sp. nr. *coprophila* (Lintner) (Diptera : Sciaridae), adults to different light intensities. HortScience 42(5): 1217-20.
- Cooke, S.J., C.D. Suski, K.G. Ostrand, D.H. Wahl, and D.P. Philipp. 2007. Physiological and behavioral consequences of long-term artificial selection for vulnerability to recreational angling in a teleost fish. Physiological & Biochemical Zoology 80(5):480–490.
- Cosgriff, R.J., J.C. Nelson, and Y. Yin. 2007. Floodplain forest response to large-scale flood disturbance. Transactions of the Illinois State Academy of Science 100(1):47–70.
- Cummings, K.S. 2007. Mollusca. Ellipsaria 9(2):9–38.
- Danderson, C.A., B. Molano-Flores, and S. Raghu. 2007. Impact of floral herbivory by *Coleotechnites eryngiella* Bottimer (Lepidoptera: Gelechiidae) on the reproductive output of *Eryngium yuccifolium* Michaux (Apiaceae): a test of the reserve ovary model. Plant Ecology:1–8.
- Danylchuk, A.J., S.E. Danylchuk, S.J. Cooke, T.L. Goldberg, J.B. Koppelman, and D.P. Philipp. 2007. Post-release mortality of bonefish, *Albula vulpes*, exposed to different handling practices during catch-and-release angling in *Eleuthera*, the Bahamas. Fisheries Management & Ecology 14(2):149–54.
- Danylchuk, S.E., A.J. Danylchuk, S.J. Cooke, T.L. Goldberg, J.B. Koppelman, and D.P. Philipp. 2007. Effects of recreational angling on the post-release behavior and predation of bonefish (*Albula vulpes*): the role of equilibrium status at the time of release. Journal of Experimental Marine Biology & Ecology 346(1-2):127–133.
- DeWalt, R.E., L.M. Jacobus, and W.P. McCafferty. 2007. Summer Ephemeroptera, Plecoptera, and Trichoptera from southwestern drainages in Great Smoky Mountains National Park, with additional Ephemeroptera records. Proceedings of the Entomological Society of Washington 109(1):136–154.
- Dietrich, C.H., and D.A. Dmitriev. 2007. Revision of the New World leafhopper genus *Neozygina* Dietrich & Dmitriev (Hemiptera : Cicadellidae : Typhlocybinae : Erythroneurini). Zootaxa(1475):27–42.
- Diffendorfer, J.E., G.M. Fleming, J.M. Duggan, R.E. Chapman, M.E. Rahn, M.J. Mitrovich, and R.N. Fisher. 2007. Developing terrestrial, multi-taxon indices of biological integrity: an example from coastal sage scrub. Biological Conservation 140(1-2):130–141.
- Dolan, C.R., J.K. Tucker, and J.T. Lamer. 2007. *Necturus maculosus* (mudpuppy). USA: Illinois. Herpetological Review 38(3):347–348.

- Douglas, M.E., M.R. Douglas, G.W. Schuett, L.W. Porras, and B.L. Thomason. 2007. Genealogical concordance between mitochondrial and nuclear DNAs supports species recognition of the Panamint rattlesnake (*Crotalus mitchellii stephensi*). *Copeia*(4):920–932.
- Getz, L.L., J.E. Hofmann, M.K. Oli, and B. McGuire. 2007. Vole population dynamics: influence of weather extremes on stoppage of population growth. *American Midland Naturalist* 158(2): 461–466.
- Getz, L.L., M.K. Oli, J.E. Hofmann, and B. McGuire. 2007. Vole population dynamics: factors affecting peak densities and amplitudes of annual population fluctuations of *Microtus pennsylvanicus*. *Acta Theriologica* 52(2):159–170.
- Getz, L.L., M.K. Oli, J.E. Hofmann, and B. McGuire. 2007. Demography of fluctuating prairie vole populations: comparison of demographic variables among phases of fluctuations. *Acta Theriologica* 52(3):291–298.
- Getz, L.L., A. Ozgul, M.K. Oli, J.E. Hofmann, and B. McGuire. 2007. Dynamics of sympatric vole populations: influence interspecific competition. *Acta Zoologica Sinica* 54:800–811.
- Goertz, D., L.F. Solter, and A. Linde. 2007. Horizontal and vertical transmission of a *Nosema* sp. (Microsporidia) from *Lymantria dispar* (L.) (Lepidoptera : Lymantriidae). *Journal of Invertebrate Pathology* 95(1):9–16.
- Gosselink, T.E., T.R. Van Deelen, R.E. Warner, and P.C. Mankin. 2007. Survival and cause-specific mortality of red foxes in agricultural and urban areas of Illinois. *Journal of Wildlife Management* 71(6):1862–1873.
- Graf, D.L., and K.S. Cummings. 2007. Preliminary review of the freshwater mussels (Mollusca: Bivalvia: Unionoida) of northern Africa, with an emphasis on the Nile. *Journal of the Egyptian German Society of Zoology* 53(D):89–118.
- . 2007. Review of the systematics and global diversity of freshwater mussel species (Bivalvia : Unionoida). *Journal of Molluscan Studies* 73(4):291–314.
- Hanson, K.C., S.J. Cooke, C.D. Suski, G. Niezgoda, F.J.S. Phelan, R. Tinline, and D.P. Philipp. 2007. Assessment of largemouth bass (*Micropterus salmoides*) behaviour and activity at multiple spatial and temporal scales utilizing a whole-lake telemetry array. *Hydrobiologia* 582:243–256.
- Hanson, K.C., S.J. Cooke, C.D. Suski, and D.P. Philipp. 2007. Effects of different angling practices on post-release behaviour of nest-guarding male black bass, *Micropterus* spp. *Fisheries Management & Ecology* 14(2):141–148.
- Hasler, C.T., K.C. Hanson, S.J. Cooke, R. Tinline, C.D. Suski, G. Niezgoda, F.J.S. Phelan, and D.P. Philipp. 2007. Frequency, composition and stability of associations among individual largemouth bass (*Micropterus salmoides*) at diel, daily, and seasonal scales. *Ecology of Freshwater Fish* 16(3):417–424.

Hauser, M., and D.W. Webb. 2007. A revision of the new world stiletto fly genus *Ataenogera* Kroeber (Diptera:Therevidae:Phycinae) with the description of two new species. Zootaxa(1530):41–67.

Hedtke, S.M., K.R. Zamudio, C.A. Phillips, J. Losos, and P. Brylski. 2007. Conservation genetics of the endangered Coachella Valley fringe-toed lizard (*Uma inornata*). Herpetologica 63(4): 411–420.

Herwig, B.R., D.H. Wahl, J.M. Dettmers, and D.A. Soluk. 2007. Spatial and temporal patterns in the food web structure of a large floodplain river assessed using stable isotopes. Canadian Journal of Fisheries & Aquatic Sciences 64(3):495–508.

Hibbett, D.S., M. Binder, J.F. Bischoff, M. Blackwell, P.F. Cannon, O.E. Eriksson, S. Huhndorf, T. James, P.M. Kirk, R. Lu\_cking, H. Thorsten Lumbsch, F. Lutzoni, P.B. Matheny, D.J. McLaughlin, M.J. Powell, S. Redhead, C.L. Schoch, J.W. Spatafora, J.A. Stalpers, R. Vilgalys, M.C. Aime, A. Aptroot, R. Bauer, D. Begerow, G.L. Benny, L.A. Castlebury, P.W. Crous, Y.-. Dai, W. Gams, D.M. Geiser, G.W. Griffith, C. Gueidan, D.L. Hawksworth, G. Hestmark, K. Hosaka, R.A. Humber, K.D. Hyde, J.E. Ironside, U. Ko\_lalg, C.P. Kurtzman, K.. Larsson, R. Lichtwardt, J. Longcore, J. Miadlikowska, A. Miller, J.-. Moncalvo, S. Mozley-Standridge, F. Oberwinkler, E. Parmasto, V. Reeb, J.D. Rogers, C. Roux, L. Ryvarden, J.P. Sampaio, A. Schu\_Bler, J. Sugiyama, R.G. Thorn, L. Tibell, W.A. Untereiner, C. Walker, Z. Wang, A. Weir, M. Weiss, M.M. White, K. Winka, Y.-. Yao, and N. Zhang. 2007. A higher-level phylogenetic classification of the Fungi. Mycological Research 111(5):509–547.

Hoover, J.P., and M.E. Hauber. 2007. Individual patterns of habitat and nest-site use by hosts promote transgenerational transmission of avian brood parasitism status. Journal of Animal Ecology 76(6):1208–1214.

Hoover, J.P., and S.K. Robinson. 2007. Retaliatory mafia behavior by a parasitic cowbird favors host acceptance of parasitic eggs. Proceedings of the National Academy of Sciences of the United States of America 104(11):4479–4483.

Horn, J.A., M.P. Ward, M.G. Alessi, T.A. Danner, and R.J. Novak. 2007. Observation of a northern cardinal nest reused by a gray catbird in the same season. Wilson Journal of Ornithology 119(4):761–762.

Hughes, J., M. Kennedy, K.P. Johnson, R.L. Palma, and R.D.M. Page. 2007. Multiple cophylogenetic analyses reveal frequent cospeciation between pelecaniform birds and *Pectinopygus* lice. Systematic Biology 56(2):232–251.

Impoinvil, D.E., S. Ahmad, A. Troyo, J. Keating, A.K. Githeko, C.M. Mbogo, L. Kibe, J.I. Githure, A.M. Gad, A.N. Hassan, L. Orshan, A. Warburg, O. Calderon-Arguedas, V.M. Sanchez-Loria, R. Velit-Suarez, D.D. Chadee, R.J. Novak, and J.C. Beier. 2007. Comparison of mosquito control programs in seven urban sites in Africa, the Middle East, and the Americas. Health Policy 83(2–3):196–212.

- Irons, K.S., G.G. Sass, M.A. McClelland, and J.D. Stafford. 2007. Reduced condition factor of two native fish species coincident with invasion of non-native Asian carps in the Illinois River, USA—is this evidence for competition and reduced fitness? *Journal of Fish Biology* 71(Suppl D): 258–273.
- Jacob, B.G., E. Muturi, P. Halbig, J. Mwangangi, R.K. Wanjogu, E. Mpanga, J. Funes, J. Shililu, J. Githure, J.L. Regens, and R.J. Novak. 2007. Environmental abundance of *Anopheles* (Diptera : Culicidae) larval habitats on landcover change sites in Karima Village, Mwea Rice Scheme, Kenya. *American Journal of Tropical Medicine & Hygiene* 76(1):73–80.
- Jacob, B.G., E.J. Muturi, J.M. Mwangangi, J.E. Funes, E.X. Caamano, S. Muriu, J. Shililu, J. Githure, and R.J. Novak. 2007. Remote and field level quantification of vegetation covariates for malaria mapping in three rice agro-village complexes in Central Kenya. *International Journal of Health Geographics* 6.
- Jacob, B.G., E.J. Muturi, J.E. Funes, J.I. Shililu, J.I. Githure, and R.J. Novak. 2007. Association between land cover and habitat productivity of malaria vectors in central Kenyan ricelands. *Jishengchong Yu Yixue Kunchong Xuebao* 14(2):86–97.
- Janzen, F.J., J.K. Tucker, and G.L. Paukstis. 2007. Experimental analysis of an early life-history stage: direct or indirect selection on body size of hatchling turtles? *Functional Ecology* 21(1):162–170.
- Jellen, B.C., D.B. Shepard, M.J. Dreslik, and C.A. Phillips. 2007. Male movement and body size affect mate acquisition in the eastern Massasauga (*Sistrurus catenatus*). *Journal of Herpetology* 41(3):451–457.
- Jellen, B.C., C.A. Phillips, M.J. Dreslik, and D.B. Shepard. 2007. *Psammophis leightoni trinascalis* (forked-marked sand snake) and *Psammophis notostictus* (karoo sand racer). *Endoparasites. Herpetological Review* 38(3):341–342.
- . 2007. *Sistrurus catenatus* (eastern massasauga). Reproduction. *Herpetological Review* 38(3):343–344.
- Johnson, K.P., D.L. Reed, S.L.H. Parker, D. Kim, and D.H. Clayton. 2007. Phylogenetic analysis of nuclear and mitochondrial genes supports species groups for *Columbicola* (Insecta : Phthiraptera). *Molecular Phylogenetics & Evolution* 45(2):506–518.
- Johny, S., C.E. Lange, L.F. Solter, A. Merisko, and D.W. Whitman. 2007. New insect system for testing antibiotics. *Journal of Parasitology* 93(6):1505–1511.
- Jones, S.C., W.J. Jordan, S.J. Meiners, A.N. Miller, and A.S. Methven. 2007. Fungal spore dispersal by the eastern box turtle (*Terrapene carolina carolina*). *American Midland Naturalist* 157(1):121–126.
- Kathirithamby, J., S.J. Taylor, and R. Lareau. 2007. New state record and northeastern range extension for *Caenocholax fenyesi* sensu lato (Strepsiptera : Myrmecolacidae). *Florida Entomologist* 90(4):762.

- Kathirithamby, J., S.J. Taylor, J.E. Valenzuela, J. Gomez, and J.F. Barrera. 2007. A light-trapped ant, *Dolichoderus bispinosus* (Formicidae) with evidence of stylopization by male *Caenocholax fenyesi waloffi* (Strepsiptera : Myrmecolacidae) from Mexico. Entomological News 118(3):279–282.
- Kelly, A.C., N. Mateus-Pinilla, T. Beissel, J.E. Diffendorfer, J. Killefer, J. Novakofski, and P. Shelton. 2007. Development of a panel of microsatellite markers for the assessment of genetic structure in white-tailed deer in northern Illinois and southern Wisconsin. Journal of Neuropathology and Experimental Neurology 66(5):433.
- Knight, K.S., J.S. Kurylo, A.G. Endress, J.R. Stewart, and P.B. Reich. 2007. Ecology and ecosystem impacts of common buckthorn (*Rhamnus cathartica*): a review. Biological Invasions 9(8):925–937.
- Kunz, T.H., E.B. Arnett, B.M. Cooper, W.P. Erickson, R.P. Larkin, T. Mabee, M.L. Morrison, M.D. Strickland, and J.M. Szewczak. 2007. Assessing impacts of wind-energy development on nocturnally active birds and bats: a guidance document. Journal of Wildlife Management 71(8):2449–2486.
- Kunz, T.H., E.B. Arnett, W.P. Erickson, A.R. Hoar, G.D. Johnson, R.P. Larkin, M.D. Strickland, R.W. Thresher, and M.D. Tuttle. 2007. Ecological impacts of wind energy development on bats: questions, research needs, and hypotheses. Frontiers in Ecology & the Environment 5(6):315–324.
- Kunz, T.H., E.B. Arnett, W.P. Erickson, A.R. Hoar, R.P. Larkin, M.D. Strickland, R.W. Thresher, and M.D. Tuttle. 2007. Ecological Impacts of wind power development on bats: questions, research needs, and hypotheses. Frontiers in Ecology & the Environment 5(6):315–324.
- Kurylo, J.S., K.S. Knight, J.R. Stewart, and A.G. Endress. 2007. *Rhamnus cathartica*: native and naturalized distribution and habitat preferences. Journal of the Torrey Botanical Society 134(3):420–430.
- Lamer, J.T., C.R. Dolan, and J.K. Tucker. 2007. *Chelydra serpentina* (common snapping turtle). Herpetological Review 38(1):99.
- . 2007. *Trachemys scripta elegans* (red-eared slider). Coloration. Herpetological Review 38(3):336.
- Lamer, J.T., J.K. Tucker, C.R. Dolan, and M.J. Abbott. 2007. *Opheodrys aestivus* (rough greensnake). Herpetological Review 38(1):105.
- Lankau, R.A. 2007. Specialist and generalist herbivores exert opposing selection on a chemical defense. New Phytologist 175(1):176–184.
- Lankau, R.A., and S.Y. Strauss. 2007. Mutual feedbacks maintain both genetic and species diversity in a plant community. Science 317(5844):1561–1563.

- Levengood, J.M., and L.M. Skowron. 2007. Coaccumulation of cadmium and zinc in tissues of sentinel mallards (*Anas platyrhynchos*) using a former dredge-disposal impoundment. *Archives of Environmental Contamination & Toxicology* 53(2):281–286.
- Levengood, J.M., L. Wiedenmann, T.W. Custer, D.J. Schaeffer, C.W. Matson, M.J. Melancon, D.J. Hoffman, J.W. Scott, J.L. Talbott, G. Bordson, J.W. Bickham, B.A. Rattner, and N.H. Golden. 2007. Contaminant exposure and biomarker response in embryos of black-crowned night-herons (*Nycticorax nycticorax*) nesting near Lake Calumet, Illinois. *Journal of Great Lakes Research* 33(4):791–805.
- Levin, G.A., J.K. Morton, and E. Robbrecht. 2007. Two new species of *Acalypha* (Euphorbiaceae) from tropical Africa, and a review of some Robyns names for cupricolous plants from the Democratic Republic of the Congo. *Systematic Botany* 32(3) 576–582.
- Li, L., H.P. Wang, C. Givens, S.J. Czesny, and B. Brown. 2007. Isolation and characterization of microsatellites in yellow perch (*Perca flavescens*). *Molecular Ecology Notes* 7(4):600–603.
- McDonald, L.L., R. Bilby, P.A. Bisson, C.C. Coutant, J.M. Epifanio, D. Goodman, S. Hanna, N. Huntly, E. Merrill, B. Riddell, W. Liss, E.J. Loudenslager, D.P. Philipp, W. Smoker, R.R. Whitney, R.N. Williams, and Independent Sci Advisory Board Independent Sci Review, Panel. 2007. Research, monitoring, and evaluation of fish and wildlife restoration projects in the Columbia River Basin: lessons learned and suggestions for large-scale monitoring programs. *Fisheries* 32(12):582–590.
- Mercado-Silva, N., G.G. Sass, B.M. Roth, S. Gilbert, and M.J.V. Zanden. 2007. Impact of rainbow smelt (*Osmerus mordax*) invasion on walleye (*Sander vitreus*) recruitment in Wisconsin lakes. *Canadian Journal of Fisheries & Aquatic Sciences* 64(11):1543–1550.
- Miller, A.N., G.K. Mugambi, and S.M. Huhndorf. 2007. *Cercophora rubrotuberculata* sp. nov., a new pyrenomycete from the Great Smoky Mountains National Park. *Mycologia* 99(3):488–91.
- Miller, A.N., L.N. Vasilyeva, and J.D. Rogers. 2007. *Chlorostroma subcubisporum* gen. et sp nov and notes on the systematic position of *Thuemenella cubispora*. *Sydowia* 59(1):138–147.
- Miller, N.J., M. Ciosi, T.W. Sappington, S.T. Ratcliffe, J.L. Spencer, and T. Guillemaud. 2007. Genome scan of *Diabrotica virgifera virgifera* for genetic variation associated with crop rotation tolerance. *Journal of Applied Entomology* 131(6):378–385.
- Molano-Flores, B., J.A. Koontz, and M.A. Feist. 2007. Genetic diversity of the Illinois-threatened *Agalinis auriculata* (Orobanchaceae) and two common congeners. *American Midland Naturalist* 158(2):279–291.
- . 2007. Seed germination of the Illinois-threatened *Agalinis auriculata* (Michx.) Blake (Orobanchaceae). *Castanea* 72(2):116–118.

- Morris, J.A., R.L. Lampman, G. Ballmes, J. Funes, J.G. Halvorsen, and R.J. Novak. 2007. First record of *Aedes japonicus japonicus* in Illinois: defining its spatial distribution and associated mosquito species. *Journal of the American Mosquito Control Association* 23(3):243–251.
- Muturi, E.J., J.I. Shililu, W.D. Gu, B.G. Jacob, J.I. Githure, and R.J. Novak. 2007. Larval habitat dynamics and diversity of *Culex* mosquitoes in rice agro-ecosystem in Mwea, Kenya. *American Journal of Tropical Medicine & Hygiene* 76(1):95–102.
- Muturi, E.J., J. Mwangangi, J. Shililu, S. Muriu, B.G. Jacob, E. Kabiru, W. Gu, C. Mbogo, J. Githure, and R.J. Novak. 2007. Mosquito species succession and physicochemical factors affecting their abundance in rice fields in Mwea, Kenya. *Journal of Medical Entomology* 44(2):336–344.
- Muturi, E.J., J. Mwangangi, J. Shililu, S. Muriu, B.G. Jacob, C.M. Mbogo, G. John, and R.J. Novak. 2007. Evaluation of four sampling techniques for surveillance of *Culex quinquefasciatus* (Diptera : Culicidae) and other mosquitoes in African rice agroecosystems. *Journal of Medical Entomology* 44(3):503–508.
- Mwangangi, J.M., C.M. Mbogo, E.J. Muturi, J.G. Nzovu, J.I. Githure, G. Yan, N. Minakawa, R. Novak, and J.C. Beier. 2007. Spatial distribution and habitat characterisation of *Anopheles* larvae along the Kenyan coast. *Journal of Vector Borne Diseases* 44(1):44–51.
- Mwangangi, J.M., C.M. Mbogo, E.J. Muturi, J.G. Nzovu, E.W. Kabiru, J.I. Githure, R.J. Novak, and J.C. Beier. 2007. Influence of biological and physicochemical characteristics of larval habitats on the body size of *Anopheles gambiae* mosquitoes (Diptera: Culicidae) along the Kenyan coast. *Journal of Vector Borne Diseases* 44(2):122–127.
- Mwangangi, J.M., E.J. Muturi, J.I. Shililu, S. Muriu, B. Jacob, E.W. Kabiru, C.M. Mbogo, J.I. Githure, and R.J. Novak. 2007. Environmental covariates of *Anopheles arabiensis* in a rice agroecosystem in Mwea, Central Kenya. *Journal of the American Mosquito Control Association* 23(4):371–377.
- Myers, E.M., J.K. Tucker, and C.H. Chandler. 2007. Experimental analysis of body size and shape during critical life-history events of hatchling slider turtles, *Trachemys scripta elegans*. *Functional Ecology* 21(6):1106–1114.
- Neubaum, M.A., M.R. Douglas, M.E. Douglas, and T.J. O'Shea. 2007. Molecular ecology of the big brown bat (*Eptesicus fuscus*): Genetic and natural history variation in a hybrid zone. *Journal of Mammalogy* 88(5):1230–1238.
- Nixon, C.M., and P.C. Mankin. 2007. Social relationships of white-tailed deer in Illinois. *Illinois State Academy of Science Transactions* 100(1):97–106.
- Nixon, C.M., P.C. Mankin, D.R. Etter, L.P. Hansen, P.A. Brewer, J.E. Chelstvig, T.L. Esker, and J.B. Sullivan. 2007. White-tailed deer dispersal behavior in an agricultural environment. *American Midland Naturalist* 157(1):212–220.

O'Neal, B.J., and E.J. Heske. 2007. Characterization of wetlands in the Conservation Reserve Enhancement Program in Illinois. *Transactions of the Illinois State Academy of Science* 100(2):157–167.

Pereira, S.L., K.P. Johnson, D.H. Clayton, and A.J. Baker. 2007. Mitochondrial and nuclear DNA sequences support a cretaceous origin of Columbiformes and a dispersal-driven radiation in the paleogene. *Systematic Biology* 56(4):656–672.

Petzing, J.E., J.M. Mui, M.J. Dreslik, A.R. Kuhns, D.B. Shepard, C.A. Phillips, J.K. Tucker, J.K. Warner, D. Mauger, T.G. Anton, E.J. Gittinger, T.R. Hunkapiller, B.C. Jellen, and R.J. Cosgriff. 2007. Filling in the gaps II: new Illinois amphibian and reptile county records from 2000–2005. *Herpetological Review* 38(2):240–243.

Potter, D., T. Eriksson, R.C. Evans, S. Oh, J.E.E. Smedmark, D.R. Morgan, M. Kerr, K.R. Robertson, M. Arsenault, T.A. Dickinson, and C.S. Campbell. 2007. Phylogeny and classification of Rosaceae. *Plant Systematics & Evolution* 266(1–2):5–43.

Price, R.D., and K.P. Johnson. 2007. Three new species of chewing lice (Phthiraptera : Ischnocera : Philopteridae) from Australian parrots (Psittaciformes : Psittacidae). *Proceedings of the Entomological Society of Washington* 109(3):513–521.

Raghu, S., K. Dhileepan, and J.C. Scanlan. 2007. Predicting risk and benefit a priori in biological control of invasive plant species: a systems modelling approach. *Ecological Modelling* 208(2–4):247–262.

Raghu, S., and C. Walton. 2007. Understanding the ghost of *Cactoblastis* past: historical clarifications on a poster child of classical biological control. *Bioscience* 57(8):699–705.

Raja, H.A., A.M. Stchige, A.N. Miller, J.L. Crane, and C.A. Shearer. 2007. Hyphomycetes from the Great Smoky Mountains National Park, including three new species. *Fungal Diversity* 26(1, Part 1):271–286.

Rinchard, J., S.J. Czesny, and K. Dabrowski. 2007. Influence of lipid class and fatty acid deficiency on survival, growth, and fatty acid composition in rainbow trout juveniles. *Aquaculture* 264(1–4):363–371.

Roberts, B.J., P.J. Mulholland, and W.R. Hill. 2007. Multiple scales of temporal variability in ecosystem metabolism rates: results from 2 years of continuous monitoring in a forested headwater stream. *Ecosystems* 10(4):588–606.

Roehrdanz, R.L., and E. Levine. 2007. *Wolbachia* bacterial infections linked to mitochondrial DNA reproductive isolation among populations of northern corn rootworm (Coleoptera : Chrysomelidae). *Annals of the Entomological Society of America* 100(4):522–531.

Sagun, V.G., and G.A. Levin. 2007. Four new species of *Acalypha* (Euphorbiaceae) from Malesia. *Blumea* 52(2):351–359.

- Sanogo, Y.O., S.L. Dobson, S.R. Bordenstein, and R.J. Novak. 2007. Disruption of the *Wolbachia* surface protein gene *wspB* by a transposable element in mosquitoes of the *Culex pipiens* complex (Diptera, Culicidae). *Insect Molecular Biology* 16(2):143–154.
- Sanogo, Y.O., C.H. Kim, R. Lampman, and R.J. Novak. 2007. A real-time TaqMan polymerase chain reaction for the identification of *Culex* vectors of West Nile and Saint Louis encephalitis viruses in North America. *American Journal of Tropical Medicine & Hygiene* 77(1):58–66.
- Scott, L., and B. Molano-Flores. 2007. Reproductive ecology of *Rudbeckia fulgida* ait. var. *sullivantii* (C. L. Boynt and Beadle) Cronq. (Asteraceae) in northeastern Illinois. *Journal of the Torrey Botanical Society* 134(3):362–368.
- Shililu, J., C. Mbogo, T. Ghebremeskel, J. Githure, and R.J. Novak. 2007. Mosquito larval habitats in a semiarid ecosystem in Eritrea: impact of larval habitat management on *Anopheles arabiensis* population. *American Journal of Tropical Medicine & Hygiene* 76(1):103–110.
- Shoup, D.E., S.P. Callahan, D.H. Wahl, and C.L. Pierce. 2007. Size-specific growth of bluegill, largemouth bass and channel catfish in relation to prey availability and limnological variables. *Journal of Fish Biology* 70(1) 21–34.
- Siepker, M.J., K.G. Ostrand, S.J. Cooke, D.P. Philipp, and D.H. Wahl. 2007. A review of the effects of catch-and-release angling on black bass, *Micropterus* spp.: implications for conservation and management of populations. *Fisheries Management & Ecology* 14(2):91–101.
- Smith, J.E., C.J. Whelan, S.J. Taylor, M.L. Denight, and M.M. Stake. 2007. Novel predator-prey interactions: is resistance futile? *Evolutionary Ecology Research* 9(3):433–446.
- Soucek, D.J. 2007. Bioenergetic effects of sodium sulfate on the freshwater crustacean, *Ceriodaphnia dubia*. *Ecotoxicology* 16(3):317–325.
- . 2007. Comparison of hardness- and chloride-regulated acute effects of sodium sulfate on two freshwater crustaceans. *Environmental Toxicology & Chemistry* 26(4):773–779.
- Soucek, D.J. 2007. Sodium sulfate impacts feeding, specific dynamic action, and growth rate in the freshwater bivalve *Corbicula fluminea*. *Aquatic Toxicology* 83(4):315–322.
- Stafford, J.D., M.M. Horath, A.P. Yetter, C.S. Hine, and S.P. Havera. 2007. Wetland use by mallards during spring and fall in the Illinois and central Mississippi river valleys. *Waterbirds* 30(3):394–402.
- Stafford, J.D., and A.T. Pearse. 2007. Survival of radio-marked mallard ducklings in South Dakota. *Wilson Journal of Ornithology* 119(4):585–591.
- Storch, A.J., K.L. Schulz, C.E. Caceres, P.M. Smyntek, J.M. Dettmers, and M.A. Teece. 2007. Consumption of two exotic zooplankton by alewife (*Alosa pseudoharengus*) and rainbow

smelt (*Osmerus mordax*) in three Laurentian Great Lakes. Canadian Journal of Fisheries & Aquatic Sciences 64(10):1314–1328.

Suski, C.D., S.J. Cooke, and B.L. Tufts. 2007. Failure of low-velocity swimming to enhance recovery from exhaustive exercise in largemouth bass (*Micropterus salmoides*). Physiological & Biochemical Zoology 80(1):78–87.

Taylor, C.A., G.A. Schuster, J.E. Cooper, R.J. DiStefano, A.G. Eversole, P. Hamr, H.H. Hobbs, H.W. Robison, C.E. Skelton, and R.E. Thoma. 2007. Feature: endangered species -- a reassessment of the conservation status of crayfishes of the United States and Canada after 10+ years of increased awareness. Fisheries 32(8):372–389.

Theiss, K., S. Kephart, and C.T. Ivey. 2007. Pollinator effectiveness on co-occurring milkweeds (*Asclepias*; Apocynaceae, Asclepiadoideae). Annals of the Missouri Botanical Garden 94(2): 505–516.

Tiemann, J.S. 2007. *Pimephales*: more than just bait. American Currents 33(1):5–10.

———. 2007. Reproductive traits in the Slim minnow (*Pimephales tenellus*) and the Bullhead minnow (*Pimephales vigilax*). Transactions of the Kansas Academy of Science 110(3):282–284.

———. 2007. Spawning behavior of the slim minnow, *Pimephales tenellus*. Southwestern Naturalist 52(1):137–141.

Tiemann, J.S., and K.S. Cummings. 2007. Newly recognized distribution records for two pleurocerids (Gastropoda) in Kansas. Transactions of the Kansas Academy of Science 110(3):268–271.

Tiemann, J.S., K.S. Cummings, and C.A. Mayer. 2007. Updates to the distributional checklist and status of Illinois freshwater mussels (Mollusca : Unionidae). Transactions of the Illinois State Academy of Science 100(1):107–123.

Tiemann, J.S., H.R. Dodd, N. Owens, and D.H. Wahl. 2007. Effects of lowhead dams on unionids in the Fox River, Illinois. Northeastern Naturalist 14(1):125–138.

Tucker, J.K. 2007. Comparison of clutch size from natural nests and oxytocin induced clutches in the red-eared slider, *Trachemys scripta elegans*. Herpetological Review 38(1):40.

Tucker, J.K. 2007. Distribution of *Conus kohni* McLean and Nybakken, 1979. Festivus 39(8):81–85.

Tucker, J.K., F. Sicilia-Guillen, and M.J. Tenorio. 2007. *Conus lucidus* in the Solomon Islands. Festivus 39(10):101–113.

Tucker, J.K., J.T. Lamer, and C.R. Dolan. 2007. *Trachemys scripta elegans* (red-eared slider). Kyphosis. Herpetological Review 38(3):337–338.

- Tucker, J.K., D.L. Thomas, and J. Rose. 2007. Oxytocin dosage in turtles. *Chelonian Conservation & Biology* 6(2):321–324.
- Vasilyeva, L.N., J.D. Rogers, and A.N. Miller. 2007. Pyrenomycetes of the Great Smoky Mountains National Park. v. *Annulohypoxylon* and *Hypoxylon* (Xylariaceae). *Fungal Diversity* 27(1, Part 1):231–245.
- Vasilyeva, L.N., S.L. Stephenson, and A.N. Miller. 2007. Pyrenomycetes of the Great Smoky Mountains National Park. IV. *Biscogniauxia*, *Camaropella*, *Camarops*, *Camillea*, *Peridoxylon* and *Whalleya*. *Fungal Diversity* 25:219–231.
- Wagner, C.P., and D.H. Wahl. 2007. Evaluation of temperature-selection differences among juvenile muskellunge originating from different latitudes. *Environmental Biology of Fishes* 79(1–2):85–98.
- Wagner, C.P., M.J. Jennings, J.M. Kampa, and D.H. Wahl. 2007. Survival, growth, and tag retention in age-0 muskellunge implanted with passive integrated transponders. *North American Journal of Fisheries Management* 27(3):873–877.
- Wahl, D.H., L.M. Einfalt, and S.P. Callahan. 2007. Effects of electroshock on bluegill feeding and susceptibility to predation. *North American Journal of Fisheries Management* 27(4):1208–1213.
- Webb, D.W. 2007. A new genus and new species of nearctic Therevidae (Insecta : Diptera) from southern New Mexico. *Zootaxa*(1497):41–46.
- Wetzel, M.J., and M.A.P. Morgan. 2007. Aquatic microdrile oligochaetes (Annelida, Clitellata) of Great Smoky Mountains National Park, North Carolina and Tennessee. *Southeastern Naturalist* 6(Special Issue 1):153–158.
- Whelan, C.J., and D.M. Jedlicka. 2007. Augmenting population monitoring programs with behavioral indicators during ecological restorations. *Israel Journal of Ecology & Evolution* 53(3–4):279–295.
- Zahniser, J.N., and A. Hicks. 2007. Three new species of *Icaia* Linnauvori (Hemiptera : Cicadellidae : Deltocephalinae) from Peru and distinction of the genus from *Athysanella* Baker. *Zootaxa*(1390):27–39.