

Dolly L. Crawford, Ph.D.

Assistant Professor, Department of Biology and Toxicology,
Ashland University, 226 Dwight Schar College of Education, Ashland, OH 44805,
dcrawfo9@ashland.edu, 419.289.5942 (office)

RECENT RESEARCH FUNDING/AWARDS

- 2016. *Research grant proposal* \$6428, Geauga County Parks District.
- 2015. *Avian research grant* \$1000.00 (w/matching), OH Avian Projects Initiative.
- 2013. *Technology grant* \$1500.00, Mohave Community College Foundation.
- 2010. *Research grant* \$1500.00, Nevada Division of Wildlife.
- 2009. *Travel grant* \$1300.00, International Biogeography Society.
- 2008. *Research grant* \$15,000.00, Nevada Division of Wildlife.
- 2006. *Conservation grant* \$2500.00 from T&E, Inc.

Publications

- Crawford, D.L., R.W. Rohrbaugh, A.M. Roth, J.D. Lowe, S. Barker Swarthout, and K.V. Rosenberg. (2016, in press). Landscape-scale habitat and climate correlates of breeding Golden-winged and Blue-winged warblers. *Studies in Avian Biology* 7(3): xxx.
- Roth, A.M., R.W. Rohrbaugh, K. Aldinger, M.H. Bakermans, S. Barker Swarthout, D.A. Buehler, J.L. Confer, D.L. Crawford, C. Friis, R.M. Fowlds, J.L. Larkin, J. Loegering, J.D. Lowe, M. Piorkowski, K.V. Rosenberg, C. Smalling, T.M. Terhune, R. Vallender, T. Will, and P.B. Wood. 2012. Golden-winged Warbler Breeding Season Conservation Plan. In Roth, A.M., R.W. Rohrbaugh, T. Will, and D.A. Buehler, editors. (2012). Golden-winged Warbler status review and conservation plan. <<http://www.gwwa.org/>>.
- Rohrbaugh, R.W., S. Barker-Swarthout, D.L. Crawford, M.D. Piorkowski, J.D. Lowe, and K.V. Rosenberg. (2011). Golden-winged Warbler Conservation initiative: Year 3 breeding grounds monitoring throughout the Appalachian Region. Report to the U.S. Fish and Wildlife Service, May 31, 2011.
- Crawford, D.L., J.W. Dragoo, F.A. Smith, and A.N. Chavez. (2011). Diversification within the Mexican vole (*Microtus mexicanus*) and the role of post-Pleistocene climate change. *Western North American Naturalist* 71: 176-194.
- Crawford, D.L. (2011). Life on the edge: an assessment of genetic connectivity and persistence in the Ash Meadows and Pahrangat Valley montane voles, *Microtus montanus nevadensis* and *M. m. fucosus*. Nevada Division of Wildlife Technical Report.
- Smith, F.A., D.L. Crawford, L. Harding, H.M. Lease, I.W. Murray, A. Raniszewski, and K.M. Youberg. (2009). A tale of two species: extirpation and range expansion during the late quaternary in an extreme environment. *Global and Planetary Change* 65:122-133.
- Crawford, D.L. (2006). Book review: Prairie Ghost: pronghorn and human interaction in early America. (McCabe, R. E., B. W. O'Hara, and H. M. Reeves, eds.). University Press of Colorado. 175pp. *Journal of Mammalogy* 88: 261.
- Crawford, D.L., and M. Clendenin. (2000). Making Conservation a Reality; Restoration of Native Grasslands at the Rocky Mountain Arsenal National Wildlife Refuge. *Animal Keepers' Forum* 27: 208-211.
- Crawford, D.L. (1997). Displacement aggression in captive green magpies (*Cissa chinensis*). *Animal Keepers' Forum* 25: 237-245.

Publications in Progress

- Crawford, D.L., F.A. Smith and J.A. Dragoo. (2016, in progress). The role of hydrology on population structure and gene flow in Great Basin populations of the montane vole (*Microtus montanus*). *Conservation Genetics*.
- Crawford, D.L., R.W. Rohrbaugh, K.R. Aldinger, S. Barker Swarthout, D.A. Buehler, J. Confer, C. Friis, J. Larkin, J.D. Lowe, M. Piorkowski, K. V. Rosenberg, A. Roth, C. Smalling, P. Bohall Wood, and R. Vallender. (2016, in progress). Potential Impact of Climate Change on Geographic Distributions of Breeding Golden-winged (*Vermivora chrysoptera*) and Blue-winged warblers (*V. cyanoptera*) with Implications for Conservation Strategies.

Presentations

- 2013 American Ornithologists Union meeting, Chicago, Illinois. Roth, A. M., S. A. Pugh, D. L. Crawford, R. W. Rohrbaugh, S. Barker Swarthout, J. D. Lowe. Quantifying forest lands as Golden-winged Warbler habitat in USA.
- 2012 Learning & Teaching with Technology Expo, Mohave Community College. Crawford, D. Interactive Technology for the Biology Classroom.
- 2011 Ornithology Lecture Series, Cornell University. Crawford, D. Ensemble forecasting: a tool to inform management imperatives for the Golden-winged warbler (*Vermivora chrysoptera*).
- 2010 Evolution Annual Meeting, Portland, Oregon. Crawford, D. Mammals, mammals everywhere, and not a drop to drink: genetic and ecological correlates of extinction in Great Basin populations of the montane vole, *Microtus montanus*.
- 2009 International Biogeography Society conference, Meridia, Mexico, Crawford, D. A desert runs through it: comparative phylogeography of three rodent taxa across the highlands of Mexico and the southern United States.
- 2008 National Conference of the American Society of Mammalogists, Brookings, South Dakota. Crawford, D. Life on the edge: estimating the persistence of the montane vole, *Microtus montanus* in a changing climate using a modeling approach.

PROFESSIONAL SERVICE:**Ashland University**

Member of committee for selection of new faculty hire in CAS, summer 2015
Active member of Academic Technology committee, 2015 – present
Member, Symposium against Indifference committee, 2015 – present
Member, Academic Safety committee, 2015 – present
Volunteer Judge, Mohican District Science Day, 2015

Volunteer Activities

- 2007 — 2009. Active member of advisory committee to develop recovery plans for meadow jumping mouse and montane vole for the NM Department of Game and Fish.
- 2000 — 2003. *Volunteer educator*. Teach wildlife ecology classes for University of Colorado Museum. Received Certificate of Appreciation, 2002.
- 1997. *Volunteer surveyor* for Colorado Bats and Inactive Mines Project. Assisted Colorado Division of Wildlife with bat surveys. Certificate of Appreciation, 2001.
- 1997— 1999. *Project Leader*. Organize and lead zoo volunteers on shortgrass prairie restoration projects at the Rocky Mountain Arsenal Wildlife Refuge.
- 1997— 1999. *Volunteer Environmental Educator* with U.S. Fish & Wildlife Service. Taught environmental education classes.
- 1996. *Education Specialist*. Taught class on avian husbandry, restraint and behavior to veterinary students at Bel Rae Veterinary School in Denver, CO.

Manuscript Review

July 2015. Reviewer for science journal, *PLOS ONE*.