

CURRICULUM VITAE

DAVID FLASPOHLER

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BACKGROUND

Education:

- PhD, 1998 *Wildlife Ecology, Influence of forest edge on demography of migratory birds in a forested landscape*, University of Wisconsin-Madison
- MSc, 1991 *Conservation Biology and Sustainable Development, Forestry development and biodiversity conservation in northwestern Mexico*, Institute for Environmental Studies, University of Wisconsin-Madison
- BSc, 1987 School of Architecture and Urban Planning, University of Michigan, Ann Arbor

Professional appointments including academic and administrative roles:

- 2018 – present Professor and Director of Undergraduate Studies, College of Forest Resources and Environmental Science, Michigan Technological University
- 2010 – present Professor, College of Forest Resources and Environmental Science, Michigan Technological University (Houghton, MI)
- 2004 – 2010 Associate Professor, School of Forest Resources and Environmental Science, Michigan Technological University (Houghton, MI)
- 1998-2004 Assistant Professor, School of Forest Resources and Environmental Science, Michigan Technological University (Houghton, MI)
- 1997-1998 Faculty Associate, University of Wisconsin-Madison (taught WE 360-Wildlife Management)

AWARDS, HONORS, AND BOARD SERVICE

- Knowlton, J., E.E. Wilson-Rankin, D. Flaspohler, A. Buckardt, T. Fukami, C. Giardina, D. Gruner, and W. Pitt. 2018. Vertical foraging shifts in Hawaiian forest birds in response to rat removal. *PLoS ONE* <https://doi.org/10.1371/journal.pone.0202869>
The paper above was short-listed for the 2019 Wildlife Society Publication Award <https://wildlife.org/2019-wildlife-publication-awards-shortlists-announced/>
- January-July, 2019: Sabbatical Award; Cooperative Research Program Fellowship (\$16,055 USD). Ecosystem service value of endemic New Zealand birds. Organization for Economic Cooperation and Development (OECD); Visiting Scientist, Canterbury University and Scion Crown Research Institute, Christchurch, New Zealand.
- 2017-present: MTU Pavlis Honors College, Internal Advisory Board

2017- present: Board of Directors, Keweenaw Community Forestry Company

2016 – present: Board of Directors, Copper Country Audubon Society, Houghton, MI

2016 – NSF-Partners in International Research and Education Exchange Grant; conducted Two months of research with Mexican colleagues at the University of Tabasco and the Univ. of Yucatan, Merida, Mexico.

2016 - Visiting Women and Minority Scholar Series grant to support visit and collaboration with Dr. Fikirte Demissie from Addis Ababa University, Ethiopia.

2010 – 2013 – Board of Directors, Whitefish Point Bird Observatory

2010 – Outstanding Faculty Member of the Year, School of Forest Resources and Environmental Science

2008 – Appointed to U.S. Department of Agriculture, Forest Research Advisory Council (2008-2011)

2002 - MTU Distinguished Teaching Award Winner, Assistant Professor

2001 – Elected to the Tech Academy of Teaching Excellence

2001 - MTU Distinguished Teaching Award Finalist, Assistant Professor

1997 - Excellence in Teaching Award, University of Wisconsin-Madison Graduate School

TEACHING

Courses taught nearly every year since 1998

(spring 2011, I was on sabbatical in Hawaii so did not teach; in 2016, I was on a NSF-PIRE Scholarly exchange in Mexico so taught 5 weeks of FW3610; spring 2019, I was on sabbatical in New Zealand so did not teach)

FW3410 – Conservation Biology (3 cr.)

FW3610 – Ornithology (4 cr.)

FW3620 – Field Ornithology (1 cr.)

FW5400 – Advanced Conservation Biology (graduate seminar; 4 cr.)

Course taught every other year 2003-07

FW5000 – Distinguished Ecologist Lecture Series (graduate seminar) (1 cr.)

Course Taught fall 2010

FW4810 – Capstone (co-taught with Prof. Martin Jurgensen). Dr. Jurgensen and I completely redesigned this course for the first time in nine years.

I am currently teaching FW5810, Graduate Research Methods, Fall 2018, 2019; In Jan. 2020, I was recognized for being in the top 10% of teachers at MTU based on student evaluations.

From 2011-2020

I have mentored 45 students through their capstone research and management projects, and have 4 more students I am currently advising in 2019-20.

EFFORTS IN SUPPORT OF DIVERSITY IN EDUCATION AND RESEARCH

- **Women and Minority Scholar Lecture Series** – I have been granted awards from this program to bring two colleagues to MTU to speak and collaborate on research: Dr. Christine Ribic, Univ. of Wisconsin-Madison in 2001, and Dr. Fikirte Demissie, Addis Ababa University, Ethiopia in 2018.
- **CFRES Diversity Committee** – I continue to work with colleagues to make specific recommendations to improve the CFRES culture and environment for all students.
- **Director of Undergraduate Studies** – I have spearheaded the development of a new document and student workshop with Amy Howard (CDI) and other colleagues designed to address inappropriate student behavior in some of the field classes in CFRES. See my other application materials for more information on this.
- **MTU Diversity Literacy Training** – I continue to be one of four coordinators of this program working with Dr. Marcarelli on the full course and refresher courses.
- **Anti-sexual harassment poster campaign** – In 2018, I was asked to appear in one of a series of posters that were part of a MTU Title IX campaign to raise awareness about sexual harassment and the importance of reporting.
- **41 North Film Festival** – In 2017, I served on post movie discussion panel devoted to increasing female participation in STEM fields.
- In 2016, I was awarded an **NSF grant for International Research Experience for Undergraduates (IREU)** and recruited two female MTU students to conduct original research in Brazil; both appeared as co-authors on peer-reviewed publications (see Fiser and Becker publications No. 40 & 42 below).

RESEARCH & SCHOLARLY ACTIVITIES; ORCID ID: 0000-0001-7554-5345

Refereed book chapters (6 total)

61. Dunn, J.L., J.L. Knowlton, R.M. Handler, E.C. Pischke, K.E. Halvorsen, M. Azahara Mesa-Jurado, T. Selfa, D. Flaspohler, J. Licata, E. Mata, R. Medeiros, C. Moseley, E. Nielsen, V. Picasso, J.C. Sacramento Rivero, T. Souza, C. Vazquez, N. Basiliko. 2019. Lessons from an Interdisciplinary International Bioenergy (BIOPIRE) project. In K.E. Halvorsen, C. Schelly, R. Handler, and J.L. Knowlton, Eds., Ch. 10: 107-120 in *A Research Agenda for Environmental Management*.
60. Knowlton, J., and D. Flaspohler. 2018. Ecosystem services and natural capital of the Tizimin region of the Yucatan, Mexico. Ch. 4 in: *The quest for jatropha biodiesel and sustainability in Yucatan*. A. Eastmond, J.C. Sacramento Rivero, and S. Sweitz, Eds. Ediciones de la Universidad Autonoma de Yucatan.
59. Terhune, T.M., K.R. Aldinger, D.A. Buehler, D. Flaspohler, J. L. Larkin, J.P. Loegering, K.L. Percy, A.M. Roth, C. Smalling, and P.B. Wood. In press. Golden-winged Warbler nest-site habitat selection. Chapter XX in *Golden-winged Warbler Ecology, Conservation, and Habitat Management*, H. Streby, Anderson, and Buehler, eds.
58. Webster, C., D. Flaspohler, S. Pawson, and E. Brockerhoff. 2012. Ecologically sustainable bioenergy communities: Species selection and habitat considerations. *Handbook of Bioenergy Crop Plants*, S. Joshi, D. Shonnard, and C. Kole, eds. Taylor and Francis Group, Boca Raton, Florida.

57. Flaspohler, D., C. Webster, and R. Froese. 2009. Bioenergy, Biomass, and Biodiversity: A review of key issues for terrestrial and aquatic ecosystems. Chapter 7, pp. 133-162 in Renewable energy from forest resources in the United States, B. Solomon and V. Luzadis, eds. Routledge Publisher, New York. (invited contribution)
56. Hunt, P. D. and D. Flaspohler. 1998. Yellow-rumped Warbler (*Dendroica coronata*). In The Birds of North America, No. 376 (A. Poole and F. Gill, editors). The American Ornithologists' Union and the Academy of Natural Sciences, Philadelphia, PA.

Refereed publications

(my graduate students, post-docs, and mentored undergraduates underlined; 61 total [book chapters and mss.], not including *in review* manuscripts):

In review and In preparation

(underlined names are my former graduate, undergraduate students, or post-docs; J.L. Knowlton was my post-doc from 2011-13)

- Knowlton, J.L., K.E. Halvorsen, D.J. Flaspohler, and C.R. Webster. Birds and bioenergy within the Americas: A cross-national, socio-ecological study of ecosystem service tradeoffs. In prep. Target journal: ***Ecology and Society***.
- Flaspohler, D.J., and D. Kelly. 99% of all species that have ever existed on Earth are extinct...or are they? In prep. Target journal: ***Conservation Biology***.
- Cavigliasso, P., C.C. Phifer, E.M. Adams, D.J. Flaspohler, N.P. Chacoff, G. Gennari, and J.A. Licata. Spatio-temporal dynamics of landscape use by bumble bee, *Bombus atratus* (Hymenoptera: Apidae) and its relationship with pollen provisioning. In review, ***PLOS One***, Feb. 2019
- Barney, S.K., D. Leopold, K. Francisco, D.J. Flaspohler, T. Fukami, C. Giardina, D.S. Gruner, J.L. Knowlton, W. Pill, and E.E. Wilson Rankin. In review. Management of invasive rats across a fragmented landscape. ***Biological Invasions***. Submitted 20 July 2019.

2019

55. Flaspohler, D.J. and S.J. Smaill. 2019. Sodium-rich clay soil geophagy by common redpoll (*Carduelis flammea*) in New Zealand. ***Notornis*** 66:98-102 (Ornithological Society of New Zealand).
54. Craves, J.A., R.A. Wolinski, V. Cavalieri, K. Hall, D.J. Flaspohler, M.J. Monfils, and S. Sjogren. 2019. Recommendations of the technical advisory committee (birds) for endangered and threatened species in Michigan, 2019 revision. Report to the Michigan Dept. of Natural Resources, Lansing. 115 pp.
53. Demissie, F., Yeshitila, K., Rouleau, M., Flaspohler, D. and Kindu, M. 2019. Socio-ecological importance of forest resources and their conservation measures in Ethiopia: the case of area closure in South Gonder. ***Environmental Monitoring and Assessment*** 191: 437 (2019) doi:10.1007/s10661-019-7569-y
52. Lopez Calderon, C., Van Wilgenburg, S., Roth, A., Flaspohler, D. Hobson, K. 2019. An evaluation of isotopic ($\delta^2\text{H}$) methods to provide estimates of avian breeding and natal dispersal. ***Ecosphere*** 10(4)
<https://esajournals.onlinelibrary.wiley.com/doi/10.1002/ecs2.2663>

2018

51. Knowlton, J., E.E. Wilson-Rankin, D. Flaspohler, A. Buckardt, T. Fukami, C. Giardina, D. Gruner, and W. Pitt. 2018. Vertical foraging shifts in Hawaiian forest birds in response to rat removal. ***PLoS ONE*** <https://doi.org/10.1371/journal.pone.0202869>
This paper was short-listed for the 2019 Wildlife Society Publication Award
50. Bruckman, V.J., M. Haruthaithanasan, F. Kraxner, R. Miller, T. Terada, A.-K. Brenner, D.

- F. Kraxner and D. Flaspohler. Sustainable forest bioenergy development strategies in Indochina: Collaborative effort to establish regional policies. *Forests* 9(4) 223; doi:10.3390/f9040223
49. Haskell, D.E., A. Bales, C.R. Webster, M.W. Meyer, and D. Flaspohler. Effectiveness of bare-root and gravel culture shrubs used in wildlife habitat restoration on lake riparian areas in Northern Wisconsin. *Ecological Restoration*, Accepted 20 Feb. 2018.
48. Jarvi (Testa), G.M., J.L. Knowlton, C.C. Phifer, A.M. Roth, C.R. Webster and D.J. Flaspohler. 2018. Avian community response to short-rotation aspen forest management: Implications for bioenergy development. *Northeastern Naturalist* 25(2): 308-318.
47. Haskell, D.E., A.L. Bales, C.R. Webster, D.J. Flaspohler, and M.W. Meyer. 2017. Conifer restoration on lakeshores using three planting techniques. *Native Plant Journal* 18(3):235-244.
46. Haskell, D.E., A.L. Bales, C.R. Webster, M.W. Meyer, and D.J. Flaspohler. 2017. Assessment of wildlife habitat attributes at restoration projects on northern Wisconsin lakeshores. *Northeastern Naturalist* 24(4):391-402.
- 2017**
45. Knowlton, J.L., D.J. Flaspohler, E.H. Paxton, T. Fukami, C.P. Giardina, D.S. Gruner and E.E. Wilson Rankin. 2017. Movements of four native Hawaiian birds across a naturally fragmented landscape. *Journal of Avian Biology* 48:921-931.
44. Flaspohler, D. 2017. American Crows enter abandoned mine to hunt bats. *The Wilson Journal of Ornithology*. 129(2):394-397. <https://doi.org/10.1676/16-056.1>
43. Hudson L.N., T. Newbold, S. Contu, S. L.L. Hill...D. Flaspohler...and A. Purvis. 2017. The database of the PREDICTS (Projecting Responses of Ecological Diversity in Changing Terrestrial Systems) project. *Ecology and Evolution* 7:145-188.
42. Brito, T.F., Phifer, C., Knowlton, J.L., Fiser, C.M., Becker, N.M., Barros, F., Contrera, F.A., Maués, M.M., Juen, L., Assis-Montag, L., Flaspohler, D., Webster, C.R., Santos, M., Silva, D.F. Likely 2017. Forest reserves and riparian corridors help maintain orchid bee communities in oil palm plantations. *Apidologie* doi: 10.1007/s13592-017-0500-z
41. Haskell, D.E., A. Bales, C.R. Webster, M.W. Meyer, and D.J. Flaspohler. 2017. Restoring hardwood trees to lake riparian areas using multiple planting treatments. *Restoration Ecology*. (DOI) - 10.1111/rec.12520
40. Knowlton, J., C. Phifer, C. Fiser, N. Becker, D. Flaspohler, C. Webster. 2017. Oil palm plantations affect movement behavior of a key member of mixed-species flocks of forest birds in Amazonia, Brazil. *Tropical Conservation Science*. 10:1-10. doi: 10.1177/1940082917692800
39. Youngman, J., D. Flaspohler, J. Knowlton, and L. Dombroski. 2017. Fall waterbird migration in Lake Superior: Numbers, timing, weather, and connectivity. *Journal of Great Lakes Research* 43(6): 1186-1190.
- 2016**
38. Jimenez, M.M., S.S. Soto, E. G. Lopez, J.R. Napoles, J.L. Knowlton, C. Phifer, D. Flaspohler, and A. de J.J. Mendez. 2016. Diversidad y abundancia de abejas (*Hymenoptera: Apoidea*) en agroecosistemas de palma aceitera y pastos cultivados, en Tabasco, Mexico. *Revista Nicaraguense de Entomología* 115:2-20.
37. Phifer, C., J. Knowlton, C. Webster, D. Flaspohler, and J. Licata. 2016. Bird community response to afforested eucalyptus on the Argentine pampas. *Biodiversity and Conservation* 26:3073-3101 doi:10.1007/s10531-016-1126-6
- 2015**
36. Aldinger, K.R., T.M. Terhune, D.A. Buehler, P.B. Wood, M.H. Bakermans, J.L. Confer,

- D.J. Flaspohler, J.L. Larkin, J.P. Loegering, K.L. Percy, A.M. Roth, and C.G. Smalling. 2015. A range-wide assessment of factors influencing Golden-winged Warbler nesting demographics. *Avian Conservation and Ecology* 10 (1): 6-15.
35. Sullivan, A., D. Flaspohler, R. Froese, and D. Ford. 2015. Climate variability and the timing of spring raptor migration in Eastern North America. *Journal of Avian Biology* 47(2): 208-218.
34. Henschell, M., C. Fortin, C. Webster, and D. Flaspohler. Productivity-diversity relationships in planted grasslands: species quality vs. quantity. 2015. *PLoS ONE*. DOI: 10.1371/journal.pone.0125758. <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0125758>

2014

33. Knowlton, J., D. Flaspohler, N.T. Rotzel, and R. Fleischer. 2014. First record of hybridization in the Hawaiian Honeycreepers: Iiwi (*Vestiaria coccinea*) x Apapane (*Himatione sanguinea*). *Wilson Bulletin of Ornithology* 126: 562-567.
32. Roth, A.M., D. Flaspohler, and C.R. Webster. 2014. Legacy tree retention in young aspen forest improves nest habitat quality for Golden-Winged Warbler (*Vermivora chrysoptera*). *Forest Ecology and Management* 321:61-70.

2013

31. Knowlton, J.L., D.J. Flaspohler. 2013. The Kipuka Project: Understanding the effects of forest fragmentation and invasive species on Hawaii's native birds and arthropods. *'Elepaio* (Journal of the Hawai'i Audubon Society) 73(3): 4-5.
30. Haskell, D., C. Webster, D.J. Flaspohler, and M.W. Mayer. 2013. Relationship between carnivore distribution and landscape features in the Northern Highlands ecological landscape of Wisconsin. *American Midland Naturalist* 169:1-16.
29. Windels, S., and D.J. Flaspohler. 2013. Scale-dependent browsing patterns on Canada yew (*Taxus canadensis*) by white-tailed deer (*Odocoileus virginianus*). *International Journal of Forestry Research*. 2013: article ID 276583, <http://dx.doi.org/10.1155/2013/276583>

2012

28. Hurley, P., C. Webster, D.J. Flaspohler, and G. Packer. 2012. Untangling the landscape of deer overabundance: Reserve size vs. landscape context in the agricultural Midwest. *Biological Conservation* 146:62-71.
27. Haskell, D. D.J. Flaspohler, C. Webster, and M. Meyer. 2012. Variation in soil temperature, moisture, and plant growth with the addition of down woody material on lakeshore restoration sites. *Restoration Ecology* 20:1:113-121

2011

26. Flaspohler, D., and C. Webster. 2011. Plantations for bioenergy or carbon sequestration: Principles for maintaining biodiversity in intensively managed forests. *Forest Science* 57:516-524.
25. Windels, S.K., and D.J. Flaspohler. 2011. The ecology and conservation of Canada yew (*Taxus canadensis* Marsh.), a declining species. *Botany* 89(1):1-17.

2010

24. Ford, M. and D.J. Flaspohler. 2010. Scale-dependent response by breeding songbirds to residential development along Lake Superior. *Wilson Bulletin of Ornithology* 122(2):296-306.
23. Webster, C.R., D.J. Flaspohler, R.D. Jackson, T. Meehan, C. Gratton. 2010. Diversity, productivity and landscape-level effects of grasslands managed for biomass

- production. *Biofuels* 1(3):451-461.
22. Flaspohler, D., C. Giardina, G. Asner, P. Hart, J. Price, C. Ka'apu, and X. Castaneda. 2010. Long-term effects of fragmentation and fragment properties on bird species richness in Hawaiian forests. *Biological Conservation* 143:280-288.

Earlier than 2010

21. Fargione, J.E., T.R. Cooper, D.J. Flaspohler, J. Hill, C.L. Lehman, T. McCoy, S. McLeod, E. J. Nelson, K. S. Oberhauser, and D. Tilman. 2009. Bioenergy and wildlife: Threats and opportunities for grassland conservation. *BioScience* 59(9):767-778.
20. Holmes, S., C. Webster, D. Flaspohler and R. Froese. 2009. Death and *Taxus*: the cost of high palatability in an era of population decline. *Canadian Journal of Forest Research* 39:1366-1374.
19. Corace, R.G., III, D.J. Flaspohler, L.M. Shartell. 2009. Geographic patterns in openland cover and hayfield mowing in the Upper Great Lakes region: implications for grassland bird conservation. *Landscape Ecology* 24:309-324.
18. Snively, M. and D.J. Flaspohler. 2006. A comparative study of cadmium and copper in ruffed grouse (*Bonasa umbellus*) in regions with and without historic mining. *Ecotoxicology and Environmental Safety* 65:165-170.
17. Flaspohler, D.J., and C. Meine. 2006. Planning for Wildness: Aldo Leopold's Report on Huron Mountain Club. *Journal of Forestry* 104:32-42. Featured cover photo from this paper.
16. Rosemier, J., D.J. Flaspohler. 2006. Island-specific ecological release of small mammals in Lake Michigan and potential consequences for ground-nesting birds. *George Wright Forum* 23:24-32.
15. Bub, B.R., D.J. Flaspohler, and C. J. F. Huckins. 2004. Riparian and upland breeding-bird assemblages along headwater streams in Michigan's Upper Peninsula. *Journal of Wildlife Management* 68:383-392.
14. Martinson, T.J., and D.J. Flaspohler. 2003. Winter bird feeding and localized predation on simulated bark-dwelling arthropods. *Wildlife Society Bulletin* 31:510-516.
13. Flaspohler, D.J., C.J.F. Huckins, P.J. Van Dusen, and B.R. Bub. 2002. Temporal patterns in aquatic and avian communities following selective logging. *Forest Science* 48:339-349.
12. Flaspohler, D.J., S. A. Temple, and R. Rosenfield. 2001. Species-specific edge effects on nest success and breeding bird density in a forested landscape. *Ecological Applications* 11:32-46.
11. Flaspohler, D.J., S A. Temple, and R. Rosenfield. 2001. The effects of forest edges on Ovenbird demography in a managed forest landscape. *Conservation Biology* 15:173-183.
10. Flaspohler, D.J. 2001. The effects of forest edges and fragmentation on birds: A Wisconsin perspective. *Passenger Pigeon* 63:5-14. (invited paper)
9. Flaspohler, D.J., B.R. Bub, and B.A. Kaplin. 2000. The application of conservation biology research to management. *Conservation Biology* 14:1898-1902.
8. Flaspohler, D.J., S. A. Temple, and R. Rosenfield. 2000. The relationship between nest success and concealment in two ground-nesting passerines. *The Journal of Field Ornithology* 71:736-747.
7. Flaspohler, D.J. 1998. A technique for sampling flying insects, with data on associated Neotropical Flycatchers. *Journal of Field Ornithology* 69:201-208.
6. Temple, S. A. and D.J. Flaspohler 1998. Reply to Hedrick et al. *Journal of Forestry* 96:42.
5. Temple, S. A. and D.J. Flaspohler. 1998. The edge of the cut: implications for wildlife populations. *Journal of Forestry* 96:22-26.
4. Flaspohler, D.J. 1996. Nesting success of Prothonotary Warblers in the Upper Mississippi River Bottomlands. *Wilson Bulletin of Ornithology* 108:457-466.

3. Flaspohler, D.J. and D. Grosshuesch. 1996. Ruby-throated Hummingbirds observed following Yellow-bellied Sapsucker: evidence for keystone bird species in northern hardwood forests. *Passenger Pigeon* 58:237-240.
2. Flaspohler, D.J. and M. L. Laska. 1994. Nest site selection by birds in Acacia trees in a Costa Rican dry deciduous forest. *Wilson Bulletin of Ornithology* 106:162-165.
1. Flaspohler, D.J. and S. Matteson. 1994. Song Sparrow nest in tree cavity. *Passenger Pigeon* 56:83-85.

Non-Refereed Publications

- Flaspohler, D.** The Chosen One. Birdwatching Magazine, April 2016.
- Clark, F., **D. Flaspohler**, C. Huckins, C. Meine, C. Webster, and D. Zastrow. 2008. Conservation Science and Land Stewardship Consultation for the Huron Mountain Club, Final Report, March 2008. The Forest Guild.
- Flaspohler, D.J.** 2007. Potential effects of Particulate Emissions from the Kennecott Eagle Minerals Company (KEMC) mine in the Yellow Dog Plains, Michigan. Invited Report produced for the Huron Mountain Club.
- Flaspohler, D.J.** and P. Hurley. 2005. Proceedings of: Forests and whitetails, striving for balance, Michigan Society of American Foresters annual meeting, St. Ignace, MI, 9-10 June.
- Flaspohler, D.J.** 2005. Restoration of biological diversity to Sleeping Bear Dunes National Lakeshore, Final Research Report.
- Storer, A.J., J.N. Rosemier, B.L. Beachy, and **D.J. Flaspohler**. 2004. Potential effects of beech bark disease and decline in beech abundance on birds and small mammals. Proceedings of the beech bark disease symposium. Saranac Lake, NY. 16-18 June.
- Flaspohler, D.J.** 2003. The yellow-rumped warbler. Species account for the Wisconsin Breeding Bird Atlas,
- Flaspohler, D.J.** 2003. The prothonotary warbler. Species account for the Wisconsin Breeding Bird Atlas, Wisconsin Society for Ornithology, Madison.
- Flaspohler, D.J.** 1997. Finding evidence of breeding: tips for atlasers. Wisconsin Breeding Bird Atlas Newsletter. Vol. 2.
- Flaspohler, D.J.** 1993. Birds of the Mississippi River bottomlands: abundance and distribution. Report to the U.S. Fish and Wildlife Service and the Wisconsin Department of Natural Resources-Bureau of Endangered Resources, Madison.
- Flaspohler, D.J.** 1993. Wisconsin Cerulean Warbler Recovery Plan. Bureau of Endangered Resources Technical Publication #96. Wisconsin Department of Natural Resources, Madison.
- Flaspohler, D.J.** 1991. Forestry, politics and biodiversity: The World Bank forestry development project in the Sierra Madre Occidental, Mexico. Unpubl. M.S. thesis, University of Wisconsin, Madison.

Presentations and Posters (invited and other)

July 2019. Does forest fragment size mediate the impacts of introduced rodent predators? Foraging behavior and impact of Hawaiian birds on their arthropod resources. D. Gruner, D. Flaspohler, T. Fukami, and C. Giardina. Association for Tropical Biology, San Juan, Puerto Rico.

October 2018. How might coastal permafrost erosion (*usteq*) influence wildlife? 2018 Workshop on Permafrost Coastal Erosion- NSF Research Coordination Network, PCE. International Arctic Research Center, Univ. of Alaska, Fairbanks.

August 2018. Samuel Oliveira, J. Knowlton and D. Flaspohler. Migratory bird use of oil palm (*Elaiés quineensis*) plantations and native forest fragments in southern Mexico. International Ornithological Congress, Vancouver, Canada.

September 2018. Revisiting the Leopold Report to the Huron Mountain Club. Chautauqua Porch Talk for Huron Mountain Club membership.

August 2018. Spatio-temporal use of the landscape by *Bombus atratus* (Hymenoptera: Apidae) and its relationship with pollen provisioning. International Union for the Study of Social Insects, Sao Paulo, Brazil. P. Cavigliasso, C. Phifer, E. Adams, N. Chacoff, G. Gennari, J. Licata and D. Flaspohler.

July 2018. Bird use of oil palm plantations and forest remnants in Tabasco, Mexico. D. Flaspohler, S. Oliveira, L. Culebro, S. Arriga-Weiss and J. Knowlton. North American Congress for Conservation Biology. Toronto, Canada.

May 2018. Conservation challenges to managing songbirds in the Upper Great Lakes region. MI DNR Songbird Forum. Marquette, MI. Invited talk. MI DNR.

April 2018. Birds and citizen science: From Christmas counts to publishing research on birds. Invited talk: Carnegie Museum, Keweenaw Natural History Seminar, 17 April 2018. D. Flaspohler and J. Youngman.

March 2018. Bird Conservation in Michigan's Upper Peninsula in the next half-century, 2018-2068. D. Flaspohler. Invited talk, Upper Peninsula Environmental Coalition Annual Meeting, Houghton, MI,

September 2017. Landscape level experimental decoupling of vertebrate insectivores in Hawaiian forest fragments. Invited talk at School of Natural Resources, University of Massachusetts-Amherst.. D. Flaspohler, D. Gruner, C. Giardina, T. Fukami, and J. Knowlton.

January 2017. Landscape-level experimental decoupling of vertebrate insectivores in Hawaiian forest islands, National Science Foundation, PI meeting, Arlington, VA.

February 2017. Birds and changing land use in Entre Rios, Argentina. Unitarian Church, Houghton, MI.

January 2017. Past, present, and future of birds in Michigan's Upper Peninsula. Carnegie Museum Speaker Series. D. Flaspohler.

December, 2016. How does land use influence bird community composition? TechTalks, Michigan Technological University Research Forum. D. Flaspohler, C. Phifer, J. Knowlton, and C. Webster.

October 2016. First Regional Congress for Asia and Oceania, International Union of Forest Research Organizations (IUFRO), Beijing, China. The expansion of eucalyptus in northern Argentina: Consequences for bird communities. D. Flaspohler, C. Phifer, J. Knowlton, C. Webster.

July 2016. Third North American Congress for Conservation Biology, Madison, WI. Symposium, Socioeconomic perspectives on forest bioenergy project impacts on biodiversity-related ecosystem service values. (Author or co-author on 4 talks)

1. Halvorsen, K.E., J. Knowlton, D. Flaspohler, C. Phifer and J. Dunn. 2016. Overview of international bioenergy project.
2. Bird community responses to afforested eucalyptus plantations in the Argentine Pampas. C. Phifer, J. Knowlton, C. Webster, D. Flaspohler.
3. Effects of aspen forest age on pollinator communities in Northeastern Wisconsin, USA. C. Phifer, C. Webster, D. Flaspohler.
4. Panel discussion: Socioeconomic perspectives on forest bioenergy project impacts on biodiversity-related ecosystem service values. D. Flaspohler.

International Association for Society and Natural Resources. July, 2016, Houghton, MI

Testa, G.M, Knowlton, JL, Phifer, CC, Flaspohler, DJ. 2016. Avian community responses to stand age in northern aspen forests. Poster presented at MTU Ecosystem Science Center Research Forum & MTU SURF Research Expo.

Awarded Best Poster at the MTU SURF Research Expo and Merit Award winner at the MTU ESC Research Forum.

Also accepted at Society for Conservation Biology North American Chapter Meeting in Madison, WI, July 2016. We are developing this research project into a manuscript for submission to *Canadian Journal of Forest Research*, intended to submit Mar. 2017.

Fiser, CM, Becker, NM, Phifer, CC, Webster, CR, Flaspohler, DJ. 2016. Pollinator response (Hymenoptera) to roadside habitat edge effects in Wisconsin's northwoods. Poster presented at MTU Ecosystem Science Center Research Forum.

Also accepted at Society for Conservation Biology North American Chapter Meeting in Madison, WI, July 2016. We are developing this research project into a manuscript for submission to *Environmental Entomology*, intended to submit by September 2016.

Phifer, CC, Knowlton, JL, Webster, CR, Flaspohler, DJ. Effects of aspen forest age on pollinator communities in northeastern Wisconsin. Invited speaker (Phifer) to International Bioenergy Symposium, part Society for Conservation Biology North American Chapter Meeting in Madison, WI, July 2016.

Phifer, CC, Knowlton, JL, Webster, CR, Flaspohler, DJ, Licata, JA. 2016. Bird community responses to afforested eucalyptus plantations in the Argentine pampas. Invited speaker (Phifer) to Biodiversity and Bioenergy Development Symposium, part of International Association of Landscape Ecology Annual Meeting, Asheville, NC, April 2016.

Flaspohler, D.J. La construcción de la sostenibilidad en los sistemas de producción de bioenergía: principios ecológicos (Building sustainability in bioenergy production systems: Ecological principles). Invited presentation given in Spanish as part of a workshop "Economic activities and sustainability. Universidad Autonoma de Yucatan (UADY). 17 March 2016.

Flaspohler, D.J. El efecto del uso de la tierra en comunidades de los aves y polinizadores (The effect of land use change on bird and pollinator communities). Invited presentation given

in Spanish to the Universidad Autonoma de Yucatan (UADY) School of Social Science and Economics. 23 Feb. 2016.

Flaspohler, D.J., Roth, A., J. Knowlton, C. Phifer, and C. Webster. Accepted talk: Bird Community Responses to Woody Bioenergy Crops in Argentina and the U.S. 27th International Congress for Conservation Biology, Montpellier, France, August, 2015.

Roth, A., D.J. Flaspohler, and C. Webster. 2014. Trade-offs in plant community growth and avian biodiversity in aspen forests in the northern Great Lakes region. IUFRO World Congress

Flaspohler, D.J., J. Knowlton, and C. Phifer and T. Pypker. 2014. Invited: Instituto de Ciências Biológicas, Universidade Federal do Pará and Agropalma. Conservation of ecosystem services in oil palm dominated landscapes in the state of Para, Brazil. Moju, Brazil

Flaspohler, D.J., Fukami, T., E. Wilson, J. Knowlton, D. Gruner, D. Leopold, and C. Giardina. April, 2014. Invited: French National Institute for Agriculture Research (INRA). Biodiversity in a Naturally Fragmented Landscape: Linking predators, native arthropods, and birds 150-year old landscape fragmented by lava. Bordeaux, France.

Flaspohler, D.J., C. Webster, and A. Roth. April, 2014. Invited: French National Institute for Agriculture Research (INRA). Biodiversity production ecosystems across the Americas. Bordeaux, France.

Steven Van Wilgenburg, S., K. Hobson, A. Roth, R. Vallender, & D. Flaspohler. 2013. Long-distance dispersal in the Golden-winged Warbler (*Vermivora chrysoptera*) populations. Society of Canadian Ornithologists Conference, Winnipeg, Canada.

Flaspohler, D., C. Webster, A. Mayer, D. Watkins, R. Chimner, S. Resch, and T. Pypker. 2013. Ecosystem level responses to bioenergy harvesting systems in three countries in Latin America and the U.S. Buenos Aires, Argentina

Fukami, T., E. Wilson, J. Knowlton, D. Gruner, D. Leopold, D. Flaspohler, and C. Giardina. 2013. Biodiversity in a fragmented landscape: linking forest productivity, introduced predators, and native arthropod and bird communities in lava-fragmented ecosystems in Hawaii. Botany, New Orleans, LA. July.

Flaspohler, D.J. Avian response to global change in the Great Lakes region. MI Society of American Foresters Meeting, Sault Sainte Marie, MI, April 2013; invited.

Flaspohler, D.J., T. Fukami, C. Giardina, D. Gruner, D. Leopold, J. Knowlton, E. Wilson. The Kīpuka Project: A study of the interactive effects of rat predation and forest size on canopy food webs. Swedish Agricultural University, Umeå, Sweden. Sept. 2012; invited.

Flaspohler, D.J., C. Webster, and A. Roth. Legacy tree retention balances commodity and conservation objectives in intensively-managed North American aspen forests. Swedish Agricultural University, Umeå, Sweden. Sept. 2012; invited.

Knowlton, J., D.J. Flaspohler, N. Rotzel, and R.C. Fleischer. First confirmed record of hybridization in the Hawaiian honeycreepers: I'iwi (*Vestiaria coccinea* X "Apapane (*Himatione sanguinea*)). Poster: North American Ornithological Congress, Vancouver, British Columbia, Canada. Aug. 2012.

Knowlton, J., Flaspohler, D.J., T. Fukami, C. Giardina, D. Gruner, D. Leopold, E. Wilson. Interactive effects of rat predation and forest size on canopy food webs. Ecological Society of America Annual Meeting, Portland, Oregon. Aug. 2012.

Leopold, D., Knowlton, J., T. Fukami, C. Giardina, D. Gruner, Flaspohler, D.J., E. Wilson. Overview of the 5-year kipuka project. Hawaiian Conservation Conference. Hilo, Hawaii. July 2012.

Knowlton, J.L., D. Flaspohler, T. Kovach, D. Leopold, T. Fukami, and C. Giardina. Interactive effects of predation and ecosystem size on habitat use and demography of native Hawaiian birds. The Wildlife Society 18th annual conference. Waikoloa, HI Nov. 2011

Roth, A., D. Flaspohler, and C.R. Webster. When is a forest edge-associated bird species considered edge-sensitive? The Wildlife Society 18th annual conference. Waikoloa, HI. Nov. 2011.

Haskell, D.E., M.W. Meyer, C.R. Webster, and D. Flaspohler. The relationship between carnivore distribution and landscape features in the Northern Highlands Ecological Landscape in Wisconsin. The Wildlife Society 18th annual conference. Waikoloa, HI Nov. 2011

Flaspohler, D., A. Roth and C. Webster. Intensive management of native forests for bioenergy: Quantifying trade-offs between forest productivity and biodiversity. Invited talk for University of Hawaii-Manoa seminar series. March 2011.

Flaspohler, D., J. Knowlton. Rats, birds and space: Understanding bird use of a naturally fragmented Hawaiian forest landscape. Invited talk for University of Hawaii-Manoa seminar series. March 2011.

Flaspohler, D., C. Webster, and A. Roth. Intensive management of native forests for bioenergy: Quantifying trade-offs between forest productivity and biodiversity. Invited talk in symposium: Biodiversity and climate change: Direct and indirect linkages in adaptation and mitigation. XXIII World Congress International Union of Forest Research Organizations (IUFRO), Seoul, South Korea, August, 2010.

Leopold, D., T. Fukami, C. Giardina, D. Gruner, and D. Flaspohler. Forest kipuka on Mauna Loa: A model system for the study of the interactive effects of habitat size and introduced rodents on arthropod food webs. Hawaii Conservation Conference, Honolulu, July, 2010.

Flaspohler, D. The relationship between biofuels, land use and biodiversity conservation. Presentation to Calumet High School Future Fuels Outreach from NSF-MUSES project. 16 March, 2010.

Roth, A., D. Flaspohler, and C. Webster. Balancing biodiversity and biomass for bioenergy in Wisconsin. Wisconsin Wildlife Society, Wausau, WI, Invited plenary talk. 4 March, 2010.

Wrobel, W. and D. Flaspohler. Population model validation for the Golden-winged Warbler (*Vermivora chrysoptera*) in Wisconsin and Minnesota. American Indian Science and Engineering Society meeting, November 2009, Portland, OR.

Flaspohler, D., C. Giardina, and G. Asner. Bird species-area relationships within Hawaiian forests naturally fragmented by lava flows: Implications for forest restoration. The Wildlife Society, September 2009, Monterey, CA.

Webster, C., D. Flaspohler, A. Roth. Variable Retention Harvesting Approaches: What Have We Learned So Far? Society of American Foresters Meeting, Oct. 2009, Orlando, FL.

Henschell, M.A., D.J. Flaspohler, and C.R. Webster. Poster: Does floristic quality influence habitat quality for birds breeding in grasslands grown for biofuel feedstocks? August 2009, Annual Meeting of the Ecological Society of America, Albuquerque, NM.

Roth, A., D. Flaspohler, and C. Webster. Golden-winged Warbler ecology in aspen forests managed with legacy tree retention. August 2009, Invited talk for special symposium at 127th Stated Meeting of the American Ornithologists' Union, Philadelphia, PA.

Roth, A., D. Flaspohler, and C. Webster. Cellulosic ethanol in the Northwoods: Implications for our forests and wildlife. August 2009, presented to Coverts Workshop for private woodland owners, Woodruff, WI.

Flaspohler, D., C. Giardina. Using LiDAR remote sensing to understand species-area and habitat relationships in native Hawaiian forests. July 2009, Society for Conservation Biology Annual Meeting, Beijing, China.

Flaspohler, D. Bioenergy development in North America: Conserving biodiversity in intensively managed landscapes. July 2009, Invited talk to Beijing Forestry University.

Flaspohler, D., and C. Webster. Biofuel and biodiversity: Issues and Opportunities. Invited talk to LandCare Crown Research Institute, October 2008, Christchurch, New Zealand.

Flaspohler, D., C. Giardina, P. Hart, J. Price, and G. Asner. The Effects of Long-term Fragmentation on a bird community naturally fragmented by lava flows Sept. 2008, New Zealand Ecological Society Conference, Auckland, New Zealand.

Webster, C., S. Holmes, D. Flaspohler, and R. Froese. Death and taxus: The cost of high palatability in an era of population decline. Aug. 2008, Ecological Society of America Annual Meeting, Milwaukee, WI.

Webster, C.R., Flaspohler, D.J., and A. Roth. Quantifying trade-offs between plant productivity and biodiversity in lands allocated to growing biofuel. July 2008, Society for Conservation Biology Annual Meeting, Chattanooga, TN.

Flaspohler, D., and P. Hurley. An assessment of long-term biodiversity recovery from intense and sustained deer browse on North Manitou Island, Sleeping Bear Dunes National Lakeshore. June 2005, Michigan Society of American Foresters Meeting, St. Ignace Michigan.

Flaspohler, D., and P. Hurley. Recovery and restoration of biodiversity on a Lake Michigan Island following catastrophic disturbance by white-tailed deer. May 2004, International Association of Great Lakes Research, Waterloo, Ontario, Canada.

Beachy, B., A. Storer, and D. Flaspohler. An analysis of taxonomic and geographic patterns of federal and state insect conservation in the United States. 2004. Annual meeting of the Entomological Society of America.

Flaspohler, D.J., and P.M. Hurley. The legacy of anthropogenic disturbance at Sleeping Bear Dunes National Lakeshore. July 2003, Society for Conservation Biology Annual Meeting. Duluth, MN.

Rosemier, J. And D. Flaspohler. Ecological release of small mammals on two Great Lakes islands: Assessment and potential consequences of ground-nesting birds. June 2003 - American Society of Mammologists Society, Lubbock TX.

Beachy, B., A. Storer, and D. Flaspohler. An analysis of taxonomic and geographic patterns of federal and state insect conservation in the United States. October 2003, Entomological Society of America Meeting, Cincinnati, OH.

Flaspohler, D., A. Bassett, P. Hurley, J. Rosemier and B. Beachy. The ecological legacy of anthropogenic forest disturbance at Sleeping Bear Dunes National Lakeshore. Western Great Lakes Research Conference. April 9-11, 2003, Ashland, WI.

Windels, S., and D. Flaspohler. Poster: Potential cascading trophic effects related to the decline of Canada yew (*Taxus canadensis*) in the Upper Great Lakes Region. September 2001, Annual Wildlife Society Meeting, Reno, NV.

Flaspohler, D., S. A. Temple, and R. Rosenfield. Species-specific edge effects on nest success and breeding bird density in a forested landscape. August 2001, Society for Conservation Biology Meeting, Hilo, HI.

Meine, C., and D. Flaspohler. The conservation legacy of Aldo Leopold's report on the Huron Mountain Club. August 2001, Society for Conservation Biology Meeting, Hilo, HI.

Bub, B., D. Flaspohler, and C. Huckins. Changes in bird community composition following selective logging in northern hardwood forests. August 2001, Ecological Society of America Annual Meeting, Madison, WI.

Huckins, C., P. Van Dusen, and D. Flaspohler. Apparent temporal shifts in stream communities following selective logging. Oral presentation by August 2001, Ecological Society of America Annual Meeting, Madison, WI.

Martinson, T., and D. Flaspohler. Effects of supplemental winter bird feeding on experimentally placed arthropods August 2001, American Ornithologists' Union Meeting, Seattle, WA.

Flaspohler, D., Breeding ecology of northern forest songbirds. December 2000, Marquette Audubon Society.

Corace, G., D. Flaspohler, and J. Probst. - October 2000 - A Multi-Scale Assessment of Openland Birds in Upper Michigan: The Willow Flycatcher Model. The Ecology and Conservation of the Willow Flycatcher, USFWS Meeting, Arizona State Univ., Tempe.

Flaspohler, D. Introduction to conservation biology and old-growth associated wildlife. September 2000, PASS, US Forest Service workshop.

Flaspohler, D., S. Temple, and R. Rosenfield. The effects of forest edges on Ovenbird demography in a managed forest landscape. August 2000, American Ornithologists'

Union meeting, St. Johns, Newfoundland, Canada.

Flaspohler, D. The Conservation Legacy of Aldo Leopold's Report on the Huron Mountain Club. August 2000, Huron Mountain Club.

Flaspohler, D. Introduction to bird identification lecture and mist-netting demonstration ESMIS Educators June, 2000, Life Science Institute, Alberta, MI

Schumaker Chadde, J., and D. Flaspohler. Frogs as bioindicators. April 2000 National Science Teachers' Association national convention. Orlando, FL.

Bub, B., P. Van Dusen, D. Flaspohler, and C. J. Huckins. Poster: Effects of selective logging on aquatic and avian communities. December 1999, Midwest Meeting of the Wildlife Society, Chicago, IL.

Corace, G., J. Probst, and D. Flaspohler. Poster: A Context for an Openland Avifauna Conservation Strategy for Michigan's Upper Peninsula. December 1999, Midwest Meeting of the Wildlife Society, Chicago, IL.

E. Knudsen and D. Flaspohler. Poster: At-sea distribution of waterbirds along the Keweenaw Current. October 1999, All-hands Meeting, St. Paul, MN.

D. Flaspohler. *Keynote speech*: Tending the Northwoods, a workshop for forest landowners in Northern Wisconsin and Upper Michigan, August 1999, sponsored by The Nature Conservancy, and the Environmental Protection Agency. Eagle River, WI.

Bub, B., and D. Flaspohler. The application of conservation biology research to management: an assessment. June 1999, Society for Conservation Biology Annual Meeting, University of Maryland, College Park.

D. Flaspohler, B. Kaplan. Co-organized a symposium Scientists and Managers: Bridging the Gap for Conservation Biology, June 1999, Society for Conservation Biology Annual Meeting, University of Maryland. (19 speakers including Drs. Jack Ward Thomas, Joy Zedler, Gary Meffe, and Ariel Lugo).

D. Flaspohler. Da Vinci, the Dodo, and Darwin's Finches: birds in science and human culture. January 1999, Tech Tea Time, Michigan Technological University, Houghton, MI.

D. Flaspohler. Demography of migratory passerines in the forested Great Lakes region. October 1998, Invited Friday afternoon research seminar, Department of Biological Science, Michigan Technological University, Houghton, MI.

D. Flaspohler. Landscape-scale analysis of forest cover and songbird reproductive success in the Upper Great Lakes. Invited seminar, January 1998, North Central Forest Experiment Station, Rhinelander, WI.

D. Flaspohler. A technique for sampling flying insects with data on associated neotropical flycatchers. August 1997, American Ornithologists' Union Meeting, Minneapolis, MN.

D. Flaspohler, S. Temple, and R. Rosenfield. Use of Ground Pine (*Lycopodium obscurum*) as a nesting substrate by the Ovenbird (*Seiurus aurocapillus*) and Hermit Thrush (*Catharus*

guttatus). August 1997, American Ornithologists' Union Meeting, Minneapolis, MN.

D. Flaspohler. Forest stratification and the breeding bird community of northern hardwood forests. June 1997, Invited seminar at Kemp Biological Station, Summer Silviculture Field Course, Woodruff, WI.

D. Flaspohler, S. Temple. Songbird productivity in managed northern hardwood forests. Invited seminar at Wisconsin Wildlife Managers Meeting and The Wisconsin Wildlife Society Meeting, January 1997, Oshkosh, WI.

D. Flaspohler. The role of non-tree forest structure in determining nest-sites for migratory songbirds. Invited seminar at Forest Songbird Management Workshop and Symposium, January 1997, University of Wisconsin-Green Bay.

D. Flaspohler. Metapopulation dynamics of northern forest songbirds in Wisconsin and Michigan. Invited seminar at the Zoological Society of Milwaukee County Student Symposium November 1996, Milwaukee, WI.

M. Laska, and D. Flaspohler. Poster: Nest site selection by birds in Acacia trees in a Costa Rican dry deciduous forest. December 1994, Association for Tropical Biology Meeting, Puerto Rico.

D. Flaspohler, and S. Matteson. Nest success and Cowbird (*Molothrus ater*) brood parasitism of the Prothonotary Warbler (*Protonotaria citrea*) in the Upper Mississippi River Bottomlands. U.S. Fish and Wildlife Service Upper Mississippi River Research Symposium, October, 1993, LaCrosse, WI.

SELECT GRANT FUNDING SINCE 2010

(career PI or co-PI on over \$10,000,000 in funding in 21 yrs.)

Year	Title	Sponsor	Role	Amount
2020 Pending	Sustainability and Ecosystems, Automation, Machine Learning, Energy and Social Systems: [SEAMLESS]	NSF-National Research Traineeship (NRT) – Future of Work at the Human Technology Frontier	Co-PI	\$3 million
2019 Pending	Assessing linkages among socio-technological provisioning systems and integrated socio-ecological systems to enhance community resilience	NSF-Coupled Natural and Human Systems	Co-PI	\$1,509,000
2019	Evaluating the contributions of birds as pollinators and pest control agents in forest ecosystems	OWCD-Organization for Economic Cooperation and Development – Sabbatical, New Zealand	PI	\$16,500
2013-16	Measuring the ecological effects of lakeshore restoration on biodiversity	Wisconsin Department of Natural Resources	Co-PI	\$27,000

2016-18	Developing baseline metrics to evaluate and monitor American woodcock habitat management on private lands	U.S. Fish and Wildlife Service	Co-PI	\$240,000
2015-16	International Research Experience for Undergraduates, Para, Brazil (with CAPES, Brazilian counterpart)	NSF-International Research Experience for Undergrads	PI	\$42,000
2012-14	Modeling effects of climate change on eastern spruce-fir forest communities	U.S. Forest Service	Co-PI	155,000
2012-18	Sustainability, Ecosystem Services, and Bioenergy Development across the Americas	NSF-Partnerships in International Research (PIRE)	Senior Personnel	\$1.5 million of \$5 million
2012-13	Developing quality early successional habitat for Golden-winged Warbler and American Woodcock	American Bird Conservancy	Co-PI	\$51,000
2012	Golden-winged Warbler (<i>Vermivora chrysoptera</i>) Status and Ecology in Honduras	U.S. Fish and Wildlife Service	Co-PI	\$25,000
2011-13	Environmental CyberCitizens: Engaging Citizen Scientists in Global Environmental Change through Crowdsensing and Visualization	NSF-Cyber-infrastructure	Co-PI	\$257,000
2010-16	Interactive effects of predation and ecosystem size on arthropod food webs in Hawaiian forests fragmented by lava flows	NSF-Division of Environmental Biology	Co-PI	\$339,000 of \$1.2 million
2009-11	Assessing dispersal dynamics and genetic introgression of Golden-winged Warblers on the breeding and wintering range using a combined genetic and stable isotope approach	U.S. Fish and Wildlife Service	Co-PI	\$53,000
2006-11	Measuring the value of fish and wildlife habitat restoration on Northern Wisconsin lakes: The Wisconsin lakeshore restoration project	Wisconsin Department of Natural Resources	Co-PI	\$221,000
2005-10	Renewable energy from forest resources: An investigation into the viability of large-scale production of cellulosic ethanol in the Great Lakes region.	NSF-Materials Use: Science, Engineering and Society (MUSES)	Co-PI	\$276,000 of \$1.7 million

GRADUATE STUDENTS ADVISED

- Total number of students graduated: 11 MSc thesis, 6 PhD theses

Student	Completed	Current Position
Seth Finkle	Ongoing	Began in Jan. 2020
Samuel Oliveira	MSc., 2019 PhD Ongoing, 2020	TBD, PhD candidate, current field work in Costa Rica
Colin Phifer	PhD, 2017	Environmental Protection Agency, Eugene, OR
Kyle Forgette	MSc., 2013	Minnesota DNR
Ruth Bennett	MSc. 2013	PhD candidate, Cornell Univ.
Amber Roth	PhD, 2012	Asst. Prof. Univ. of Maine, Orono
Chad Fortin	MSc., 2009	Forester, Northern Hardwoods
Peter Hurley	PhD, 2008	Assistant Professor, Saint Francis University, Fort Wayne, IN Charter School Science Teacher, Taos, New Mexico
Audra Bassett	PhD, 2007	Adjunct Instructor, Asheville-Bundcombe Community College, Ashville, NC
Greg Corace	PhD, 2008	Michigan Conservation District Rep.
Steve Windels	PhD, 2007	Biologist, National Park Service, Voyagers National Park, MN
Lizbeth Culebro	MSc, ongoing	1-year remaining, Univ. of Tabasco, Mex.
Dan Haskell	MSc, 2008	Biologist, Wisconsin Department of Natural Resources
Michelle Manarolla	MSc, 2006	Biologist, Baystate Environmental Consultants, East Longmeadow, Massachusetts
Marian Snively	MSc, 2005	Colonial Bird Biologist, Alaska Department of Fish and Game, Anchorage, AK
Tammie Paoli	MSc, 2003	Fisheries Biologist, Wisconsin Department of Natural Resources, Green Bay, WI
Justin Compton	MSc, 2002	PhD candidate Penn State Univ.
Brian Bub	MSc, 2001	Senior Environmental Scientist, Stantec Environmental Consulting, Monona WI

Service on MSc and PhD Committees:

Name	Graduation	Degree
Laureline Rossignaud	June 2022	PhD Univ. of Canterbury, New Zealand
Christopher Adams	April 2020	PhD Biological Science
Lizbeth Culebro	Dec. 2017	M.S. Ecology, Auton. Univ. Tabasco

John Henderson	April 2017	PhD Forest Science
Aparagita Banerjee	April 2016	PhD Environmental Policy
Chao Wang	April 2009	MSc. Forestry
Brian Beachy	December 2008	PhD Forest Biology
Justin Rosemeier	May 2006	PhD Forest Biology
Jill Katakowski	May 2006	MSc. Forestry
Treniece Marshall	December 2005	MSc. Forest Science
Brian Henry	December 2005	MSc. Forest Science
Bruce Szechoski	May 2005	MSc. Forestry
Jennifer Taylor	May 2005	MSc. Forestry
David Critten	withdrew	
Jason Anderson	December 2004	MSc. Forestry
Greg Wright	August 2004	MSc. Applied Ecology
Karen Springsteen	May 2003	PhD. Rhetoric and Technical Comm.
Wendy Owens	May 2003	MSc. Forestry
Patty Ericson	May 2002	Ph.D. Rhetoric and Technical Comm.
Matt Cohen	May 2003	MSc. Forestry
Frank Aragona	May 2003	MSc. Forest Science
Joe Kaplan	December 2003	MSc. Applied Ecology
Jennifer Fox	May 2002	MSc. Applied Ecology
Debbie Anderson	December 2002	MSc. Forest Science
Kelly Bassett	May 2002	MSc. Applied Ecology
Carrie Schaefer	May 2001	MSc. Forest Science
Becky Cookman	December 2001	MSc. Forest Science
Dan Endreson	December 2001	MSc. Forest Science
Surachit Waengsothorn	April 2001	MSc. Forest Science
Dustin Walters	May 2001	MSc Forest Science
Debbie Anderson	May 2001	MSc Forest Science
Jim Pelkola	May 2000	MSc. Forest Science
Pete VanDusen	May 2000	MSc. Biological Science

SERVICE

Professional Service:

- Editorial Board, Academic Editor, *PLOS ONE* (2014 -present)
- Editorial Board, *Diversity*, a peer-reviewed journal
- Reviewer, UK Engineering and Physical Sciences Research Council, Future Leaders Fellowship, Sept. 2018

Professional society affiliations and service:

- Board of Directors, Keweenaw Community Forestry Company, 2017 -
- Chair of IUFRO Working Party: Conserving Biodiversity in Bioenergy Production Forests, 2010-2014
- Elected to Board of Directors, Whitefish Point Bird Observatory, Aug. 2010
- Member, USDA, Forest Research Advisory Council, 2008-2011
- Associate Editor, *Journal of Wildlife Management*, 2001-04
- Member MI Nature Conservancy, Science Advisory Board, 2002-05
- Member, Membership Committee, Society for Conservation Biology, 2001-03
- Member, Society for Conservation Biology, American Association for the Advancement of Science, Ecological Society of America, American Ornithologists' Union, Association of Field Ornithologists, The Nature Conservancy (member,

Michigan TNC - Science Advisory Committee) Member, Michigan Important Bird Areas Committee, Organization for Tropical Studies, Wildlife Society (former Associate Editor), Local organizing committee for 2003 Annual meeting, Duluth, MN, Society for Conservation Biology

Co-organizer of conference symposia:

- *Biofuels and biodiversity*, Society for Conservation Biology Annual Meeting, July 2008, Chattanooga, TN.
- *Researchers and Managers: Bridging the gap for conservation*, Society for Conservation Biology Annual Meeting, July 2001, College Park, MD.

Review panels

- Expert review of Forest Steward's Guild Flat Rock Management Plan for the Huron Mountain Club, Feb. 2020
- Michigan Department of Transportation/MI DNR Endangered and Threatened Technical Committee, 2019
- National Science Foundation, Research Presentation, Arlington, VA, 2016
- Ecosystem Science Center, Graduate Research Fellowships Panel, 2012, 2015
- National Science Foundation, Oct. 2006, Oct. 2010, Sept. 2011, Oct. 2012, Oct. 2013 Division of Environmental Biology Washington, D.C. review panel
- 2011 – March - NSF Review Panel, Ad hoc Reviewer, Population and Community Ecology
- US Fish and Wildlife Service Competitive Grants Program
- National Fish and Wildlife Foundation, 2008
- Fulbright Senior Specialists Program (2005-06)
- Food and Agricultural Sciences National Needs Graduate and Postgraduate Fellowship Grants Program, 2008-09
- University of Missouri-Columbia Research Foundation (2004)
- MTU Research Excellence Fund – Seed Grants (2005-06)
- MTU Excellence in Teaching annual campus-wide award (2005)
- MTU teaching award – Finalist review panel (2005)

Referee for journals, book and grant proposals

- *Canadian Journal of Forest Research, Studies in Avian Biology, Conservation Biology, Ecological Applications, Biological Conservation, Landscape Ecology, Journal of Field Ornithology, Wilson Bulletin of Ornithology, Condor, Forest Science, Web Ecology, International Journal of Chemistry and Ecology, Forest Ecology and Management, Canadian Journal of Zoology, Environmental Management (2010), Natural Areas Journal, Journal of Great Lakes Research, Polish Journal of Environmental Studies (2010), Biology Letters (2010), Biological Invasions (April 2010), Forest Ecology and Management (May 2010, September 2010), Biodiversity and Conservation (September 2010), Animal Biology (Oct. 2010), Landscape Ecology (Dec. 2010), Forests (Jan. 2011), Landscape Ecology (Feb. 2011), Wilson Bulletin of Ornithology (Sept. 2011, Jan. 2012), Forest Ecology and Management (Jan. 2012) Wilson Journal of Ornithology (April 2012), Journal of Ecology and the Natural Environment (Sept. 2012), Natural Areas Journal (Jan 2013), The Auk (Jan. 2013), Journal of Field Ornithology (Sept. 2013), Ecological Applications (Oct. 2013), Conservation Biology (Oct. 2013), Folia Primatologica (Nov. 2013), Journal of Field*

Ornithology (Jan. 2014), *Forest Ecology and Management* (Feb. 2014), *Wilson Journal of Ornithology* (Aug. 2014), *Landscape Ecology* (Sept. 2014), *Forest Ecology and Management* (Oct. 2014), *Ecology and Evolution* (March 2016), *Ecosphere* (Sept. 2016), *Oikos* (Jan. 2017), *Biological Conservation* (April 2017), *Journal of Animal Ecology* (July 2017), *Landscape Ecology* (Aug. 2017), *Landscape and Urban Planning* (Nov. 2018), *New Zealand Journal of Ecology* (June 2019), *Studies in Avian Biology* (July 2019), *Wilson Journal of Ornithology* (Jan. 2020), *Biodiversity and Conservation* (Feb. 2020)

- Reviewed approximately 75 books in my area of expertise since 2000 for *Choice* magazine.
- Reviewed Dec. 2010. *Conservation Science*, P. Kareiva and M. Marvier
- Reviewed all Wisconsin portion of range maps for *Peterson Field Guide to Birds of Eastern North America*, 5th edition.

Institutional Service:

Faculty Promotion Review:

Auburn University, School of Forestry and Wildlife Sciences, Oct. 2016.

Academic Unit Committees

Tenure, Promotion and Reappointment Committee, member 2019-20
 Wildlife Ecologist Search Committee, chair, 2020
 CFRES Diversity Committee 2018-present
 CFRES Leadership Council 2018-present
 Faculty search committee, Human-Wildlife Interactions 2017
 Faculty search committee, Natural Resource Management 2015
 Interschool Tenure, Promotion and Reappointment Committee 2015-
 Tenure, Promotion and Reappointment Committee, Chair, 2013-14
 Dean Search Committee, Co-chair, 2011-2012
 Tenure, Promotion and Reappointment Committee; served 1-yr. term 2011-2012
 Tenure, Promotion and Reappointment Committee; served 3-yr. term including last year as chair, 2006-2008
 Faculty Search Committee, tenure-track 2 positions wildlife ecology 2007
 Faculty Search Committee, tenure-track quantitative ecologist, 2002
 Faculty Search Committee, tenure-track entomologist, 2001
 Faculty Search Committee, Chair, tenure-track silviculture, 1999
 Curriculum Committee during transition from quarters to semesters
 Minorities and Women in Education Committee, 1999-2004
 Graduate Studies Committee, 2000-02
 International Programs Committee, 1999-2009
 School Web Page Committee, 2000

Participation on university committees, panels, initiatives

- MTU Assessment Council member 2018-present
- SFHI Ethicist Search Committee – appointed by Provost Huntoon
- Diversity Literacy Training co-organizer 2016-present
- MTU Sabbatical Leave Committee (2012-2017)
- MTU Graduate Dean Advisory Committee (2011-2016)
 - Reviewed graduate awards and fellowships 3 times per year
- Summer Undergraduate Research Fellowship (SURF) reviewer 2010.

- Provost Search Committee, fall 2009
- SFRES Strategic Planning Committee
- Chair, Committee on Academic Tenure and Promotion (CATPR), Chair 2007-08, reappointed by President Mroz for a second term (2009-11) after completing one term (2006-08)
- Senator, Michigan Technological University Faculty and Staff Senate, representative for the School of Forest Resources and Environmental Science, 2005-07
- Michigan Technological University Sustainable Futures Faculty Hiring Review Panel member, 2007-08

Outreach and Professional Practice:

Outreach activities

- *Natural Inquirer* magazine, publication of the US Forest Service, 30,000 circulation
- *New York Times* "Scientists At Work" Blog, May 16-30, 2012
- For NSF Science 360 Radio Podcast, worked with MTU media production to create a show highlighting Hawaii kipuka fragmentation research.
- A press release related to a paper published in *BioScience* in Oct. 2009 was featured on the following web-based resources: NSF web site, US News and World Report, and local radio (Marquette Public Radio) and television (TV6).

I give approximately 2-4 public talks per year on topics related to ornithology, natural history, my research, etc. to groups such as the following:

1. Dec. 2019. First Friday Social. Display and informal presentation of MOTUS tower and bird monitoring antenna
2. Dec. 2019. Birds of New Zealand: Evolution in Isolation talk to Copper Country Audubon Club
3. Oct. 2019. Letter to the editor of DMG regarding recent local Trumpeter Swan poaching
4. Oct. 2019. Keweenaw Garden Club talk on the benefits of native gardens and landscaping for birds
5. Sept. 2019. Presentation to Keweenaw County Commission on MOTUS bird monitoring tower
6. Sept. 2019. Mist net demonstration for two Houghton High School classes
7. Sept. 2015. Owl biology and ecology for Calumet High School
8. Sept. 2015. Mist-net demonstration for MTU Wildlife Society Club
9. Sept. 2015. Led bird portion of Jeffers High School Bioblitz for 9-12 graders.
10. Nov. 2013. Great Lakes Research Center, grades 1-3 after school bird vocalization talk
11. Sept. 2013. Wetland birds talk given to Ecology class at Houghton High School
12. May 2012: Raptor migration and the geography of the Keweenaw Peninsula. Spoke to approx. 300 grade school children from Calumet, E.B. Holman, Hancock, and Copper Harbor Schools about the significance of Brockway Mtn. for raptor migration
13. May 2012: Migration and the Continentally significance of Brockway Mountain. Copper Harbor, MI Migratory Bird Festival, Copper Harbor Community Center.
14. April 2012: Birds of the Upper Peninsula: Migration and Life History. Presentation to local teachers, Project Flying Wild, Western U.P. Center for Science and Math
15. October 2011: Owls of the Upper Peninsula. Presentation to Houghton Elementary 2nd grade.

16. May 2010: NASP, USFS training workshop, presentation and discussion on the role of coarse wood and silviculture on wildlife habitat.
17. April 2010: Six talks on Raptor Migration at Brockway Mountain: E.B. Holman Middle School, Jeffers Middle School, Baraga Middle School, Lake Linden Elementary School, and Horizons High School, Calumet.
18. March 2010: Two talks; Calumet and Lake Linden High Schools: Biodiversity and Bioenergy as part of Future Fuels from the Forest.
19. February 2010 - Common Owls of the U.P. Talk to 4th grade classes at Houghton Elementary
20. April 2011 – Presented an overview of NSF-funded research and native vs. introduced HI birds to 1st-grade class at E.B. DeSilva Elementary School, Hilo, HI.
21. April 19, 2011 - Invited talk: USGS Pacific Island Ecosystem Research Group, Volcanoes National Park. Knowlton and Flaspohler
22. August 2009: Fort Wilkins Summer Speaker Series: Identification of common birds of the U.P.
23. March 2009: Four talks given to area high school students on Future Fuels from the Forest (given with C. Webster and organized by Joan Chadde). *Daily Mining Gazette* had a front-page article featuring these talks.
24. August 2008: Fort Wilkins Summer Speaker Series: Identification of the birds of the U.P.
25. July 2008: Coverts Workshop at Kemp Natural Resources Station (UW). Summary of ecological portion of NSF-MUSES Project, presented by Amber Roth, with Flaspohler and Webster as co-authors
26. July 2008: Keweenaw County Historical Society Summer speaker series at Phoenix, MI church, “Birds of the Keweenaw Peninsula”.
27. Co-organized a talk on bioenergy and forest resources given to six high school groups from the western Upper Peninsula, 2008.
28. May 2008: “Ecological Implications of the Eagle Project sulfide mine in Marquette County”. Provided expert opinion on potential effect of the mine for the documentary “Mining madness: Great Lakes in the Balance” DVD.
29. July 2006: Portage Lake Dist. Library Speaker Series, Water birds of the Keweenaw
30. Sept. 2006: Gave naturalist talk for Houghton Middle School 7th grade
31. Oct. 2006: Participated in stream monitoring Houghton Elem. School. 4th Grade
32. Nov. 2006: “Understanding the science of evolution” talk for MTU Load Out Loud speaker series.
33. Feb. 2007: Participated in wolf ecology for Houghton Elementary 4th grade, Ms. Hall
34. April 2006: Gave a talk on raptor migration and Brockway Mountain at Calumet High School
35. April 2006 : Planning for Wildness: Aldo Leopold’s Report on Huron Mountain Club, 1938. Invited talk to the MTU Forestry Club.
36. September 2005: Moderated session for Wildlife Society Meeting in Madison, WI
37. Nov. 2005: Gave an invited talk on evolution and intelligent design to a colleague's (S. Peters) Perspectives (UN1001) class
38. October 2005: Gave a talk on owl biology at the Baraga Middle School
39. July 2005: I ran an all-day training old-growth workshop for the PASS program for US Forest Service employees
40. October 2003 – Spoke to Kingsford High School students about wildlife and natural resource careers
41. April 2003 – Gave research overview talk to Trees For Tomorrow group visit
42. November 2002 - Began bi-weekly natural history talk at Houghton Elementary School
43. September 2002 – Spoke at New Faculty Orientation on advice for new professors

44. July 2002 - Spoke at Faculty-student forum on graduate school, Summer Undergraduate Research Program
45. March 2002 – Gave public lecture on migratory songbirds at the Little Gem Theatre, Lake Linden, MI
46. March 2002, 2003 – Served as judge for the Western U.P. Science Fair
47. April 2001 – Gave talk on bird habitat and ecology to teachers at the Forest Ecol. Workshop (CCISD)
48. October 2001 – Spoke with Kingsford H.S. students on careers in ecology
49. October 2001 – Gave talk on owl ecology to Hancock Elementary School
50. April 1999 – Conducted Mist-netting workshop for Trees for Tomorrow group
51. March 1999 – Gave Presentation for “Touch the Future” group from Copper Country Intermediate School District
52. March 1999 - Presented Owl Pellet section for local teachers at Ford Forestry Center
53. February 1999 - Presented general bird lectures to four Calumet Middle School 7th grade science classes