

Blake Mathys, Ph.D.
Associate Professor of Environmental Science
Curriculum Vitae

Ohio Dominican University
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Education

<u>Institution</u>	<u>Degree</u>	<u>Completed</u>
Ohio Northern University	B.S. Biology, Field Biology minor	May 2002
Rutgers University	Ph.D. Ecology and Evolution	January 2010

Ph.D. Dissertation: Morphological evolution of birds recently introduced to islands: patterns of diversification

Advisor: Dr. Julie L. Lockwood

Employment

July 2018 to Present	Associate Professor of Environmental Science <i>Ohio Dominican University</i>
2012 to June 2018	Assistant Professor of Environmental Science <i>Ohio Dominican University</i>
Spring 2012	Adjunct Professor: Ecology (1 semester) <i>Ohio Dominican University</i>
2011-2012	Adjunct Professor: Biological Sciences II (3 quarters) Introductory Biology (1 quarter) <i>Columbus State Community College</i>
2011-2012	Adjunct Professor: Science & Society (6 sections) <i>Franklin University</i>
2011	Co-Instructor: Animal Behavior & Conservation; 10 day field course at La Suerte Biological Field Station near Cariari, Costa Rica <i>Hunter College</i>
2009-2011	Visiting Assistant Professor: Cells & Molecules and Biodiversity & Evolution lecture and laboratory (4 semesters) <i>The Richard Stockton College of New Jersey</i>
2010-2011	Part-time Lecturer: Ornithology (2 semesters) Wildlife Ecology & Conservation (1 semester) <i>Rutgers University</i>
2010	Adjunct Professor: Introduction to Natural Resources (1 semester) <i>Rowan University</i>
2004-2009	Teaching Assistant: Vertebrate Zoology laboratory (4 semesters); Ichthyology laboratory (1 semester); Invertebrate Zoology laboratory (1 semester); General Biology laboratory (3 semesters) <i>Rutgers University</i>

Employment (continued)

- 2008 **Co-Instructor:** The Ecology of the Jersey Shore; Byrne First-Year Seminar
Rutgers University
- 2003, 2004 **Field Technician:** Cape Sable Seaside Sparrow Fire Study, FL
University of California, Santa Cruz
- 2004 **Intern:** Northern Elephant Seal monitoring, Southeast Farallon Island, CA
PRBO Conservation Science
- 2003 **Hawk Counter:** Chelan Ridge Raptor Migration Project, WA
HawkWatch International
- 2002 **Teaching Assistant:** General Biology laboratory (1 semester)
Missouri State University
- 2001 **Intern:** Fish sampling in Sandusky River Watershed
Ohio EPA, Division of Surface Water

Peer-reviewed Publications

- 2018** Valentin, R.E., Lockwood, J.L., **Mathys, B.A.**, & Fonseca, D.M. Influence of invasion history on rapid morphological divergence across island populations of an exotic bird. *Ecology and Evolution*. doi:10.1002/ece3.4021
- 2017** Mathys, D.A., **Mathys, B.A.**, Mollenkopf, D., Daniels, J. & Wittum, T.E. Enterobacteriaceae harboring AmpC (*bla_{CMY}*) and ESBL (*bla_{CTX-M}*) in migratory and non-migratory wild songbird populations on Ohio dairies. *Vector-Borne and Zoonotic Diseases*. doi:10.1089/vbz.2016.2038
- 2017** Urig, H., Nolting, J., Mathys, D., **Mathys, B.A.** & Bowman, A. Influenza A virus surveillance in under-represented avian species, Ohio, 2015. *Journal of Wildlife Diseases*. doi:10.7589/2016-05-106
- 2016** Le Gros, A., Clergeau, P., Zuccon, D., Cornette, R., **Mathys, B.A.** & Samadi, S. Invasion history and demographic processes associated with rapid morphological changes in the Red-whiskered bulbul established on tropical islands. *Molecular Ecology*. **25**(21):5359-5376. doi:10.1111/mec.13853
- 2011** **Mathys, B.A.** & Lockwood, J.L. Contemporary morphological diversification of passerine birds introduced to the Hawaiian archipelago. *Proceedings of the Royal Society B: Biological Sciences*. **278**(1716):2392-2400.
- 2011** **Mathys, B.A.** First record of Aplomado Falcon (*Falco femoralis*) for the West Indies. *The Wilson Journal of Ornithology*. **123**(1):179-180.
- 2009** **Mathys, B.A.** & Lockwood, J.L. Rapid evolution of great kiskadees on Bermuda: an assessment of the ability of the Island Rule to predict the direction of contemporary evolution in exotic vertebrates. *Journal of Biogeography*. **36**(12):2204-2211.
- In prep **Mathys, B.A.** & Lockwood, J.L. Contemporary evolution of exotic bird morphology in response to insularization: does the Island Rule hold for exotic passerines?

Professional Presentations

- 2008 International Biogeography Society; 4th Biennial meeting in Mérida, Mexico. Poster: “Rapid Morphological Evolution of Exotic Passerine Birds on Islands”
- 2006 North American Ornithological Conference, Veracruz, Mexico. Poster: “Contemporary Evolutionary Change of the Introduced Great Kiskadee *Pitangus sulphuratus* Population in Bermuda”

Funding

- 2013 Ohio Dominican University Summer Research Grant: \$2,000
“Evolution of non-native birds on the Hawaiian archipelago”
- 2007 Co-wrote proposal to National Geographic Society: \$14,000
“Do non-native species show macro-evolutionary patterns? Non-native passerines and the Island Rule” (Dr. Julie L. Lockwood, Primary Investigator)

University Service

- 2015-16 Committee on Academics and Traditional Undergraduate Enrollment
2016-17 Course Evaluations Committee
2013-14, 2017 to present Admission Committee for Undergraduate Programs
2013 to present Founder and Faculty Advisor: Ohio Dominican Birding Club
2013 to present Justice/Common Good/Truth Planning Committee
2014 to present Ohio Dominican Sustainability Council
2016 to present Advisor and Supervisor for Recycling Students on Campus

Professional Service

- Peer reviewer: *Biological Invasions, Ibis, Oikos, The Auk, Ethology, Ecology, and Biological Conservation*

Professional Memberships

- International Biogeography Society June 2012 – Present
Ecological Society of America June 2012 – 2016

Permits

- March 2012 to present Federal master bird banding permit
March 2012 to present State of Ohio bird banding permit
March 2013 to present U.S. Fish & Wildlife Service salvage permit for bird specimens
March 2013 to present State of Ohio permit to salvage bird and mammal specimens
March 2013 to present State of Ohio permit to capture fish (using electrofishing, seines, and minnow traps) and small mammals (using Sherman live traps)