

Curriculum Vita
Keith W. Pecor, Ph.D.

CONTACT INFORMATION

Department of Biology
The College of New Jersey
2000 Pennington Road
Ewing, NJ 08628-0718

Office: Biology Building 203
Phone: 609-771-2460
Fax: 609-637-5118
Email: pecor@tcnj.edu

EDUCATION

- Ph.D. in Biology, University of Michigan, 2005
- M.S. in Biology, University of Michigan, 2002
- B.S. in Biology, University of Memphis, 2000

AWARDS

- Outstanding Graduate Student Instructor, University of Michigan, 2005
- Donald W. Tinkle Scholarship, University of Michigan Museum of Zoology, 2005
- Junior Fellowship, Sweetland Writing Center, University of Michigan, 2003 – 2004
- Biology Faculty Award, University of Memphis, 2000
- Undergraduate Research Scholar, University of Memphis, 2000
- Browne Biology Scholarship, University of Memphis, 1999 – 2000
- Cecil C. Humphreys Presidential Scholarship, University of Memphis, 1996 – 2000

PROFESSIONAL EXPERIENCE

- Professor, Department of Biology, The College of New Jersey, 2018 – present
- Associate Professor, Department of Biology, The College of New Jersey, 2015 – 2018
- Assistant Professor, Department of Biology, The College of New Jersey, 2007 – 2015
- Faculty Fellow, Department of Biology, Rhodes College, 2005 – 2007
- Curatorial Assistant, Division of Reptiles and Amphibians, University of Michigan Museum of Zoology, 2001 – 2005
- Graduate Student Instructor, University of Michigan, 2000 – 2005
- Research Associate, Stream Research Facility, University of Michigan Biological Station, 2004
- Endangered Species Surveyor, Michigan Natural Features Inventory, 2002
- Part-time Instructor, University of Memphis, 1999 – 2000

TEACHING

The College of New Jersey (2007 – present)

- First Seminar: What is Evolution?
- Orientation to Biology (4 semesters)
- Foundations of Biological Inquiry (4 semesters)
- Ecology and Field Biology (11 semesters)
- Biology of the Invertebrates (9 semesters)
- Freshwater Ecology (4 semesters)
- Community Ecology
- Biology Seminar: Sexual Selection

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- Biology Seminar: The Biology of Sleep (2 semesters)
- Biology Seminar: Sensory Biology

Rhodes College (2005 – 2007)

- Biology II
- Evolution
- Vertebrate Life
- Senior Seminar: Sexual Selection

University of Michigan (2000 – 2005)

- First-Year Seminar: Thinking Across Categories: Science, the Arts, and the Motorcycle
- Introduction to Biology Laboratory and Recitation (3 semesters)
- Evolution Recitation (2 semesters)
- Biology of Amphibians and Reptiles Laboratory (4 semesters)

University of Michigan Biological Station (2002, 2005)

- General Ecology Laboratory
- Evolution and Natural History Laboratory

University of Memphis (1999 – 2000)

- Introduction to Biology for Non-Majors Laboratory (4 semesters)

PUBLICATIONS (undergraduate co-authors in italics)

Articles

- Pecor, K.W., Barbayannis, G., *Yang, M.*, Johnson, J., Materasso, S., Borda, M., Garcia, D., *Garla, V.*, and Ming, X. 2021. Quality of life changes during the COVID-19 pandemic for caregivers of children with ADHD and/or ASD. *International Journal of Environmental Research and Public Health* 18:3667.
- Pecor, K.W. 2019. Exploring genetic drift via manual simulations. *American Biology Teacher* 81:665-667.
- Veerapandiyan, A., Aravindhan, A., Takahashi, J.H., Segal, D., Pecor, K., and Ming, X. 2018. Use of head computed tomography in the pediatric emergency room in evaluation of children with new onset afebrile seizure. *Journal of Child Neurology* 33:708-712.
- Pecor, K.W. and *Batko, K.A.* 2017. Phenology: from natural history to climate change. *American Biology Teacher* 79:412-415.
- Kornitzer, J.M., Horenstein, D., Pecor, K.W., and Ming, X. 2017. Gluten-free /casein-free diet improves behavior in a subset of children with an autism spectrum disorder. *Journal of Nature and Science* 3:e300.
- Pecor, K., Wang, X., and Ming, X. 2017. Gender and sleep health in high school students: a cross-cultural study. *Global Journal of Health Science* 9:124-130.

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- Pecor, K., Sarris, T., Shaffer, J., and Thom, E. 2016. Responses to injured conspecifics and heterospecifics by the water flea *Chydorus sphaericus*. *Marine and Freshwater Behaviour and Physiology* 49:415-419.
- Ming, X., Radhakrishnan, V., Kang, L., and Pecor, K. 2016. Gender, headaches, and sleep health in high school students. *Journal of Women's Health* 25:930-935.
- Grover, K., Pecor, K., Malkowski, M., Kang, L., Machado, S., Lulla, R., Heisey, D., and Ming, X. 2016. Effects of instant messaging on school performance in adolescents. *Journal of Child Neurology* 31:850-857.
- Pecor, K., Kang, L., Henderson, M., Yin, S., Radhakrishnan, V., and Ming, X. 2016. Sleep health, messaging, headaches, and academic performance in high school students. *Brain and Development* 38:548-553.
- Pecor, K.W., Bouobda Tsemo, G., Agarwal, N., and Ming, X. 2015. Procedure use in encephalitis, epilepsy, and meningitis: a Kids' Inpatient Database study. *Journal of Pediatric Neurology* 13:67-73.
- Pecor, K.W., Lake, E.C., and Wund, M.A. 2015. Optimal foraging by birds: feeder-based experiments for secondary and post-secondary students. *American Biology Teacher* 77:192-197.
- Ming, X., Pak, J., Mulvey, M.A., O'Sullivan, T., Reddy, C., Schwab, J., and Pecor, K.W. 2014. Sleep complaints in cerebral palsy and/or epilepsy: a pediatric sleep questionnaire study. *Journal of Pediatric Neurology* 12:127-135.
- Pecor, K.W., Deering, C.M., Firnberg, M.T., Pastino, A.K., and Wolfson, S.J. 2010. The use of conspecific and heterospecific alarm cues by virile crayfish (*Orconectes virilis*) from an exotic population. *Marine and Freshwater Behaviour and Physiology* 43:37-44.
- Adams, J.A., Pecor, K.W., and Moore, P.A. 2009. Dissolved organic matter from elevated-CO₂ detritus and its impact on the orientation of crayfish (*Orconectes virilis*) to a fish food source. *Journal of the North American Benthological Society* 28:638-648.
- Pecor, K.W. and Hazlett, B.A. 2008. The tradeoff between reproductive and food resources in the crayfish *Orconectes virilis*. *Marine and Freshwater Behaviour and Physiology* 41:273-280.
- Pecor, K.W., Dean, K.C., and Cullender, T.C. 2008. Laboratory conditioning to still or flowing water does not affect the responses to a food stimulus by red swamp crayfish (*Procambarus clarkii*) in flowing water habitats. *Marine and Freshwater Behaviour and Physiology* 41:43-51.

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- Pecor, K.W. and Andras, L.E. 2007. Circadian rhythm does not affect responses to chemical cues in the red swamp crayfish, *Procambarus clarkii*. *Marine and Freshwater Behaviour and Physiology* 40:79-83.
- Pecor, K.W. 2006. The mate pursuit-predation avoidance tradeoff in the virile crayfish, *Orconectes virilis*. *Marine and Freshwater Behaviour and Physiology* 39:229-233.
- Pecor, K.W. and Hazlett, B.A. 2006. The influence of flowing water on the resource pursuit-risk avoidance tradeoff in the crayfish *Orconectes virilis*. *Ethology* 112:332-338.
- Pecor, K.W. and Hazlett, B.A. 2006. A test of temporal variation in risk and food stimuli on behavioral tradeoffs in the rusty crayfish, *Orconectes rusticus*: risk allocation and stimulus degradation. *Ethology* 112:230-237.
- Pecor, K.W. and Hazlett, B.A. 2003. Frequency of encounter with risk and the tradeoff between pursuit and antipredator behaviors in crayfish: a test of the risk allocation hypothesis. *Ethology* 109:97-106.

Notes

- Eubanks, J.T. and Pecor, K.W. 2003. *Nerodia erythrogaster flavigaster*, *N. rhombifer*, and *N. sipedon pleuralis* (Yellowbelly, Diamondback, and Midland Water Snakes). Foraging behavior. *Herpetological Review* 34:70.
- Lehtinen, R., Fox, G., Pecor, K., and Schneider, G. 2003. Geographic Distribution. *Hemidactylum scutatum*. *Herpetological Review* 34:256.
- Eubanks, J.T., Pecor, K.W., and Moore, Z.A. 2002. *Siren intermedia nettingi* (Western Lesser Siren). Migration and locomotion. *Herpetological Review* 33:298-299.
- Thomas, D.L., Eubanks, J.T., and Pecor, K.W. 2000. Geographic Distribution. *Coluber constrictor latrunculus*. *Herpetological Review* 31:54.

Reports

- Pecor, K.W. 2006. Amphibian and Reptile Protocols for the All Taxa Biodiversity Inventory in Tennessee State Parks. Tennessee Wildlife Resources Agency. 33pp.

FUNDING

- Support of Scholarly Activity, The College of New Jersey, 2011 – 2013
- Support of Scholarly Activity, The College of New Jersey, 2009 – 2011
- Support of Scholarly Activity, The College of New Jersey, 2008 – 2009
- Mentored Undergraduate Summer Experience, The College of New Jersey, 2008, 2013
- Faculty Development Grant, Rhodes College, 2006
- Walker Scholarship, University of Michigan Museum of Zoology, 2004
- Biological Research Fund, University of Michigan, 2004
- University of Michigan Biological Station, 2004

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- The Nature Conservancy and University of Michigan Biological Station, 2003
- Edwards Scholarship, University of Michigan, 2003
- Hinsdale Scholarship, University of Michigan Museum of Zoology, 2003
- Rackham Graduate School, University of Michigan, 2001 – 2002
- University of Michigan Biological Station, 2001 – 2002

SERVICE

Reviewer

- *American Biology Teacher* (5), *Animal Behaviour* (5), *Behavioral Ecology*, *Behavioral Sleep Medicine*, *Brain Sciences*, *Children*, *Cladistics*, *Clocks & Sleep* (2), *Diversity and Distributions*, *Ethology* (6), *European Journal of Neuroscience*, *Exploratory Research and Hypothesis in Medicine*, *Freshwater Crayfish*, *Healthcare*, *International Journal of Environmental Research and Public Health* (5), *Journal of Chemical Ecology* (2), *Journal of Clinical Case Studies*, *Journal of Contemporary Medical Education* (2), *Journal of Pain Research* (3), *Journal of the Pennsylvania Academy of Science*, *Marine and Freshwater Behaviour and Physiology*, *North American Journal of Fisheries Management*, *PeerJ*, *Physiology and Behavior*, *Sleep and Hypnosis*, *Sleep Health* (2), *Sleep Medicine*
- Hall, B.K. and Hallgrímsson, B. 2013. *Strickberger's Evolution*, 5th ed. Jones & Bartlett, Sudbury, MA.
- Cain, M.L., Bowman, W.D., and Hacker, S.D. 2011. *Ecology*, 2nd ed. Sinauer Associates, Inc., Sunderland, MA.
- Hall, B.K. 2010. *Evolution: Principles and Processes*. Jones & Bartlett, Sudbury, MA.
- Hall, B.K. and Hallgrímsson, B. 2008. *Strickberger's Evolution*, 4th ed. Jones & Bartlett, Sudbury, MA.
- Basic Research Grant Proposals, Engineer Research and Development Center, United States Army Corps of Engineers, 2008

Extramural

- External M.Sc. Thesis Examiner, Lakehead University, 2011
- External M. Phil. Thesis Examiner, University of Melbourne, 2010
- Panelist, Crustacean Conservation Status Review, New Jersey Fish and Wildlife, 2009 – 2010
- Taxonomic Expert, All Taxa Biodiversity Inventory, T.O. Fuller State Park, 2006 – 2007
- Panelist, Hadassah Forum on “Evolution vs. Creationism vs. Intelligent Design,” 2006

Intramural

The College of New Jersey

- Chair, Department of Biology, 2016 – present
- Faculty Advisor, Pre-Veterinary Club, 2015 – present
- Self-Designed Major Committee, 2011 – present
- Academic Integrity Officer, School of Science, 2009 – present
- Chief Academic Integrity Officer, 2015 – 2021
- Institutional Animal Care and Use Committee, 2010 – 2017

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- Public Health Program Council, 2012 – 2016
- Seminar Leader, Teachers as Scholars, 2016
- Curriculum Committee, Department of Biology, 2015 – 2016
- Search Committee Chair, Public Health, 2015 – 2016
- Student Development Committee, Department of Biology, 2014 – 2015
- Committee on Academic Programs, Subcommittee on Academic Integrity, 2012 – 2015
- Internal Transfer Committee, Department of Biology, 2011 – 2014
- Advisement, Retention, and Recruitment Committee, Department of Biology, 2010 – 2014
- Search Committee Co-chair, Organismal Biologist, 2011
- Athletics Advisory Program Council, 2009 - 2010
- Search Committee, Animal Physiologist, 2009
- Search Committee Chair, Organismal Biologist / Geneticist, 2009
- Search Committee, Organismal Biologist, 2008
- Search Committee, Science Pedagogy, 2007 - 2008

Rhodes College

- Search Committee, Faculty Fellow, 2006 – 2007

University of Michigan

- Graduate Affairs Committee, Ecology and Evolutionary Biology, 2004 – 2005
- Hiring Committee, Graduate Secretary, Ecology and Evolutionary Biology, 2005
- Hiring Committee, Graduate Coordinator, Ecology and Evolutionary Biology, 2004
- Seminar Committee, Ecology and Evolutionary Biology, 2002 – 2003
- Search Committee, Director of Museum of Zoology and Herbarium, 2002 – 2003

Last updated: 7 July 2021