

CURRICULUM VITAE

Pablo R. Delis Ph. D.
Associate Professor
Department of Biology

Shippensburg University
1871 Old Main Dr., Pennsylvania 17257
W. Ph. # (717) 477-1092
H. Ph. # (717) 532-8282
Fax # (717) 532-4064
E-mail - prdeli@ship.edu
Web page – <http://www.ship.edu/~prdeli/>

Education

- Biology Major. University of Murcia, Murcia, Spain. 1982-1986.
- Bachelor Degree in Biological Science (Zoology). University of Sevilla, Sevilla, Spain. 1987.
- Masters of Science (Zoology). University of South Florida, Tampa, Florida. 1993.
(Master's Thesis: Effects of Urbanization on the Community of Anurans of a Pine Flatwood Habitat in West Central Florida.)
- Ph. D. Degree (Biology). University of South Florida, Tampa, Florida. 2001.
(Ph. D. Dissertation: *Hyla gratiosa* and *H. femoralis* [Anura: Hylidae] in West Central Florida: a comparative study of rarity and commonness.)

Grants, Scholarships, and Awards

- 2011. Shippensburg Technology Enhancement Grants. Frogloggers V/VI Automated Recording Systems.
- 2011. With graduate student James Anderson. Graduate Research Committee award to study Snake Colonization Patterns of Reclaimed Wetlands.
- 2011. With graduate student Daniel Hughes. Graduate Research Committee award to study Snake Assemblage in Natural and Anthropogenically Altered Wetlands.
- 2011. With graduate student Bill Humbert. Graduate Research Committee award to study Demographics of American Toads.
- 2011. With undergraduate student Laurel Campbell. Undergraduate Research Committee award to study Reproductive Biology of Spring Peepers.
- 2011. With undergraduate student Montrell Wilkerson. Undergraduate Research Committee award to study Snake Community at Shippensburg University Campus.
- 2010. With undergraduate student Edward Alexander Eckman. Miklausen-Likar award to study Snake Community at Shippensburg University Campus.
- 2010. With undergraduate student Edward Alexander Eckman. Undergraduate Research Committee award to study Snake Community at Shippensburg University Campus.

- 2006. With undergraduate student Zack Forsburg, Undergraduate Research Committee award to study natural and disturbed pond amphibian fauna in LEAD.
- 2006. With graduate student, Kristina Tarasan. Miklausen-Likar award to study box turtle Reproductive Biology at LEAD.
- 2005. With graduate student, Katrina Wisanem. Miklausen-Likar award to study box turtle fecundity at LEAD.
- 2005. Nominated as “Who’s Who Among American’s Teachers,” 2005.
- 2004. CYBERDERM Graduate Student Support Scholarship award to facilitate research on transepidermal water lost in snake sheds.
- 2004. Miklausen-Likar award to study the serpent community at LEAD.
- 2003. Professional Development Committee Research Grant to study of Letterkenny Army Depot Herpetofauna: Long Term Study.
- 2002. Nominated as “Who’s Who Among American’s Teachers,” 2002.
- 1998. Nominated to the Provost’s Award for Outstanding Teaching by a Graduate Student.
- 1998. Teaching Assistantship Spring 1998.
- 1997. Department of Biology Outstanding Teaching Assistant Award 1997.
- 1997. Teaching Assistantship Spring, Summer, and Fall 1997.
- 1996. Teaching Assistantship Spring, Summer, and Fall 1996.
- 1995. Department of Biology Student Travel Award.
- 1995. Teaching Assistantship Spring, Summer, and Fall 1995.
- 1992-1995. School Enrichment Resource Volunteers in Education (S.E.R.V.E.) Award Honoring School Volunteers.
- 1994. Teaching Assistantship Spring, Summer, and Fall 1994.
- 1993. Teaching Assistantship Spring and Fall 1993.
- 1992-1993. Sigma-Xi Graduate Student Award.
- 1992. Teaching Assistantship Spring and Fall 1992.
- 1991. Scholarship for the Formation of Researchers in Foreign Countries, Ministry of Science and Education, Spanish Government.
- 1990. Scholarship for the Formation of Researchers in Foreign Countries, Ministry of Science and Education, Spanish Government.
- 1989. Scholarship for the Formation of Researchers in Foreign Countries, Ministry of Science and Education, Spanish Government.

Professional Society Memberships

- Asociacion de Naturalistas del Sureste (Spain) (1982-Present)
- Society for the Study of Amphibians and Reptiles (1989-Present)
- Herpetologists' League (1990-Present)
- American Society of Ichthyologists and Herpetologists (1991-Present)
- National Geographic Society (1998-Present)
- Northeastern Naturalist (2004-Present)
- Southeastern Naturalist (2007-Present)
- Kansas Herpetological society (2010-Present)
- The Commonwealth of Pennsylvania University Biologists (2002-Present)
- The Pennsylvania Academy of Sciences (2004-Present)

Professional Collaborations

- 2010-2011. PEKALA Architecture and Design (Harrisburg, PA) and Lake Tobias Wildlife Park (Halifax, PA). New Herpetofauna Pavilion and Exhibit consultant.
- 2010 Reviewer for Biological Sciences
- 2010 Reviewer Pennsylvania Academy of Sciences
- 2009. Reviewer for NSF grants. Washington DC.
- 2008-Present. Invited Member to the PA Box Turtle Conservation Trust Fund's Advisory Committee.
- 2008-Present. Reviewer for the Southeastern Naturalist
- 2006-Present. Reviewer for the Journal of Pennsylvania Academy of Science.
- 2005. Guest Editor for the Southeastern Naturalist
- 2005-Present. Reviewer for the Regional Journal Proteus.
- 2005. Student Oral Presentation Judge (Ethology and Ecology) at Annual Meeting, American Society of Ichthyologists and Herpetologists.
- 2004-Present. Assistant Editor of the Pennsylvania Academy of Science Newsletter.
- 2004-Present. Reviewer for Florida Scientist.
- 2003-Present. Reviewer for Northeastern Naturalist
- 1999-Present. Brevard Zoo, FL, Conservation Department Vertebrate Zoology consultant.
- 1997-Present. Reviewer for Herpetologica
- 1992-Present. Reviewer for Journal of Herpetology
- 1991-2002. Member of Declining Amphibian Populations Task Force, Regional Southeast.

Research Taxa

Amphibians

Frogs

- *Hyla gratiosa* (Barking Treefrog), *Hyla femoralis* (Pinewood Treefrog)
- *Hyla versicolor* (Gray Treefrog), *Pseudacris nigrita* (Spring Peeper)
- *Lithobates palustris* (Pickerel Frog), *Lithobates sylvaticus* (Wood Frog)
- *Scaphiopus holbrookii* (Spadefoot Toad)
- *Anaxyrus americanus* (American Toad), *Anaxyrus fawlerii* (Fowler's Toad)

Salamanders

- *Nothophthalmus viridescens* (Spotted Newt)
- *Ambystoma maculatum* (Spotted Salamander)
- *Ambystoma jeffersonianum* (Jefferson Salamander), *Ambystoma opacum* (Marble Salamander)
- *Plethodon cinereus* (Redback Salamander)

Reptiles

Turtles

- *Clemmys guttata* (Spotted turtle)
- *Glyptemys insculpta* (Wood turtle)
- *Terrapene c. carolina* (Box Turtle)

Lizards

- *Plestiodon fasciatus* (Five-lined Skink)

Snakes

- *Scotophis alleghaniensis* (Eastern Rat Snake)
- *Coluber constrictor* (Black Racer)
- *Diadophis punctatus* (Ringneck Snake)
- *Agkistrodon contortrix* (Copperhead)

Research Experience

- 2011-Present. (With Dr. Brad Armen, Physics Professor at Shippensburg University). Biomechanical characteristics of shell closing in Box Turtles, *Terrapene c. carolina*
- 2010-Present. (With Dr. John Hranitz, Biology Professor at Bloomsburg University). Biology of American and Fowler's Toads, Genus *Anaxyrus*, in Wallops Island and mainland Accomack County, VA: Long Term Study and Conservation.
- 2010-Present. (With Dr. Walter Meshaka, Curator of Botany and Zoology at the Pennsylvania State Museum, and NASA Goddard Space Flight Center Wallops Island Facility). The Herpetofauna of Wallops Island, VA: Long Term Study and Conservation.
- 2009-Present. (With Dr. Walter Meshaka, Curator of Botany and Zoology at the Pennsylvania State Museum). Amphibian assemblage at Letterkenny Army Depot, North Mountains, South Central Pennsylvania: Long Term Study and Conservation.
- 2008-Present. (With Dr. Walter Meshaka, Curator of Botany and Zoology at the Pennsylvania State Museum). Snake community at Letterkenny Army Depot, North Mountains, South Central Pennsylvania: Long Term Study and Conservation.
- 2007-Present. Tetrodotoxin analysis in the skin of the northern striped newt (*Notophthalmus viridescens*), ecological and biogeographical implications.
- 2005-to Present. Fecundity and reproductive biology of the box turtle (*Terrapene carolina*) in Letterkenny Army Depot.
- 2004-to Present. Long term monitoring of the white tail deer (*Odocoileus virginianus*) at Letterkenny Army Depot.
- 2003-to Present. Long term monitoring the herpetological fauna at Letterkenny Army Depot, North Mountains, South Central Pennsylvania.
- 1991-2002. Monitoring the amphibian fauna of west central Florida, as part of the worldwide efforts of the Declining Amphibian Populations Task Force (DAPTF.)
- 1997-1998. Fauna surveys of selected areas in Hardee County, Florida. Subcontract for Biological Research Associates.
- 1997-1998. Radiotelemetry tracking of anurans in Pine Flatwoods Wilderness Park

(Hillsborough County, Florida).

- 1995-1996. Sampling for vertebrates in Scrub habitats of Orange County (Central Florida) for the Walt Disney Project "Animal Kingdom."
- 1993-1996. Gopher tortoises (*Gopherus polyphemus*) surveys throughout West and Central Florida Counties for Biological Research Associates.
- 1994-1995. Nuclear DNA extraction, purification, and storage from thermal benthic macro-invertebrates. DNA amplification using Polymerase Chain Reaction. DNA analysis using Restriction Fragment Length Polymorphism.
- 1990-1993. Sampling the amphibians and reptiles in west central Florida as part of the requirements for the completion of the MS. at the University of South Florida.
- 1986-1987. Survey for the determination of fisheries potential of water reservoirs of Sevilla's northwest hydrographic basin. Project for the University of Sevilla, Spain.
- 1982-1986. Censuses of migratory and resident birds in Calblanque Marshes, Murcia, Spain. Under the supervision of the Southeast Naturalists Association (A.N.S.E.) and the Spanish Ornithological Society (S.E.O.)
- 1984-1986. Survey of the amphibians in areas of interest for future preservation and management of local wildlife, Southeast of Spain. Under the direction of A.N.S.E.

Teaching Experience

2007-Present Associate Professor at Shippensburg University. Shippensburg, Pennsylvania.

- Ecomorphology, BIO 577
- Field Research Techniques, BIO 494
- Vertebrate Zoology, BIO 463
- Biota of Florida, BIO 425
- Herpetology, BIO 417
- Comparative Vertebrate Anatomy, BIO 370
- Biology Seminar BIO 302 (Ichthyology and Herpetology Recent Literature)
- Principle of Biology I (Biodiversity), BIO 115
- Environmental Biology, BIO 145
- Problems of the Environment, BIO 145
- Introduction to Ecology, BIO 142

2002-2007. Assistant Professor at Shippensburg University. Shippensburg, Pennsylvania.

- Ecomorphology, BIO 577
- Biota of Florida, BIO 425
- Herpetology, BIO 417
- Comparative Vertebrate Anatomy, BIO 370
- Vertebrate Zoology, BIO 463
- Principle of Biology I (Biodiversity), BIO 115
- Problems of the Environment, BIO 145

1998-2002. Biology Instructor, Hillsborough Community College, Tampa, Florida.

- Human Anatomy and Physiology I, BSC 1085
- Human Anatomy and Physiology II, BSC 1086

- Biological Science I (Cellular Processes), BSC 1010
- Biological Science II (Biodiversity), BSC 1011
- Nutrition and Drugs, BSC 1025
- Human Inheritance and Reproduction, PBC 1660
- Human Biology, BSCC 1092
- Foundations of Biology, BSCC 1005
- Laboratory Anatomy and Physiology I, BSCL 1085
- Laboratory Anatomy and Physiology II, BSCL 1086
- Laboratory Biological Science I (Cellular Processes), BSCL 1010
- Laboratory Biological Science II (Biodiversity), BSCL 1011
- Laboratory Nutrition and Drugs I, BSC 1010

1994-1998. Hillsborough Community College, Tampa, Florida.

Adjunct Professor

1991-1998. University of South Florida, Tampa, Florida.

Biology Instructor

- Sex and Today's World, BSC 2035
- Organismal Biology (Lifelong Learning) (MCAT prep.)

Teaching Assistant

- Laboratory Animal Physiology, PCB 4723
- Laboratory Comparative Vertebrate Anatomy, ZOO 3713
- Laboratory General Biology (Cellular Processes), BSC 2010
- Laboratory General Biology (Biodiversity), BSC 2011
- Laboratory Herpetology, ZOO 5912

Graduate Students Major Professor

Daniel Hughes (In Progress, 2012). Ophidian Community in Wetlands in Letterkenny Army Depot, South-Central Pennsylvania, PA.

Patty L. Bower (In Progress, 2012). Migration Patterns of Mole Salamanders, Genus *Ambystoma*, in South Central Pennsylvania, PA.

James Anderson (In Progress, 2011). Ophidian Colonization of a Reclaimed Wetland in South-Central Pennsylvania, PA.

William Humbert (In Progress, 2010). Morphometrics and Ecology of the Genus *Anaxyrus* in South Central Pennsylvania, PA.

Kristina Tarasan. (Graduated 2008). Consequences of habitat anthropogenic disturbance on the distribution, abundance, and life history of the box turtles (*Terrapene carolina carolina*) in South Central Pennsylvania. PA

Katrina Waisanen. (Non Thesis). The effects of microhabitat parameters on natal nest success in the Eastern box turtle (*Terrapene carolina carolina*) in South Central Pennsylvania, PA. (Unfinished Thesis)

Lacey Conrad. Graduated 2005. "Transepidermal Water Loss in Shed skin from Aquatic and Terrestrial Snakes." Research has been funded by the private company CyberDerm.

Matt Rach. Graduated 2005. "Thermal Biology of Gravid Timber Rattlesnakes (*Crotalus horridus*) at Basking Sites in North Central Pennsylvania." Research has been funded by the state agency, the Pennsylvania Department of Conservation and Natural Resources.

Sam Pelesky. Graduated 2005. "The influence of Prey Availability on the Dispersal and Movement Patterns of the Timber Rattlesnake (*Crotalus horridus*) in North Central Pennsylvania." Research has been funded by the state agency, the Pennsylvania Department of Conservation and Natural Resources.

Justin Sweitzer. 2004-2005. Effect of agricultural disturbance on the snake community in south central Pennsylvania. (Unfinished Thesis)

Joel Rapisarda. 2003-2004 Reproductive biology of Blue bird (*Sialis sialis*) in logged habitats in Central Pennsylvania. (Unfinished Thesis)

Graduate Student Committees

Cynthia Tucker (2010). Aggression in Beta fish.

Kyle Bisson (Committee Member). Graduated in 2007. Ghost Crab Ecology and Conservation in Assateague Island, Virginia.

Tracy Librandi (Committee Member). Graduated in 2003. Spotted turtle (*Clemmys guttata*) Movement and Habitat Usage in Heavily Managed Area of Michaux State Forest, Pennsylvania."

Cy Molt (Committee Member). Graduated in 2004. "The Effects of Size Variation on Ecological Interactions in Larval *Ambystoma*: Implications for Community Structure."

Undergraduate Students Mentoring

Sarah Bartle. (In Progress 2011). Turtle Biology.

Alexander F. Delis. (In Progress 2011). Turtle Shell Biomechanics.

Laurel Campbell. (In Progress 2011). Spring Peeper Reproductive Biology.

Ashley Adams. (In Progress 2011). American Toad Burrowing Behavior.

Sabrina Woodlief . (In Progress 2011). Amphibian And Reptilian Biology.

Other Academic/Professional Responsibilities

- 2011-Present. Elected as member of the Shippensburg University APSCUF Meet and Discuss Committee, Union Management Relations.
- 2010. Student Poster Presentation Judge (Ecology) at Annual Meeting, American Society of Ichthyologists and Herpetologists (Providence, Rhode Island), for Stoyers' Award.
- 2010. Chair person for Oral Presentation Session at the Annual Meeting of the Pennsylvania Academy of Sciences, Camp Hill, PA.
- 2010-Present. Statewide APSCUF Special Services Committee Chairman
- 2010-Present. Member of the Academic Day Committee.
- 2009-2011. Elected as member of the Shippensburg University APSCUF Meet and Discuss Committee, Union Management Relations.
- 2010. Member of the APSCUF Subcommittee on Faculty Lunch/Dining Room Facility.
- 2008-Present. Marine Science Consortium Co Director.
- 2008-2009. Member of the Department of Biology Botanist Search Committee (Successful Search – spring 2009).
- 2008. Member of the Shippensburg University Commonwealth of Pennsylvania University biologists (CPUB) organization committee for the March 28-29 CPUB Annual Meeting, being hosted by Shippensburg University.
- 2007-2009. Elected as representative member to the State Wide APSCUF/SU Legislative Assembly Delegation.
- 2007-2008. Member of the Department of Biology Animal Physiologist Search Committee (Successful Search – spring 2008).
- 2006-Present. Statewide APSCUF Special Services Committee
- 2007-2008. “Ad Hoc” Member of the Department of Biology Geneticist Search Committee (Successful Search – spring 2008).
- 2007-2008. Member of the Department of Biology Animal Physiologist Search Committee (Failed Search – spring 2007).
- 2007-2008. Member of the Shippensburg University Provost Search Committee (Successful completion of the search, January 2008).
- 2007-2011. Member of the Biology Department Assessment Committee for undergraduate and graduate programs.
- 2005-2007. Elected as representative member to the State Wide APSCUF/SU Legislative Assembly Delegation.
- 2005. Marine Science Consortium Review Policy “Ad Hoc” Subcommittee Chairperson.
- 2005-2009. Member of the APSCUF/SU Executive Committee.

- 2005-2007. State Wide APSCUF/SU Legislative Assembly Representative. Elected member.
- 2005. Member of the Graduate Assistant Selection Subcommittee at Shippensburg University.
- 2005. Biology Department (Shippensburg University) Webmaster.
- 2003-2004. Member of the Department of Biology Aquatic Ecologist Search Committee (Successful Search – spring 2005).
- 2004. APSCUF/SU University Forum Representative. Designated Member.
- 2003-2006. Member of the, Campus Wide, Graduate Council of Shippensburg University
- 2003-2009. Member of the, Campus Wide, Gifted Minority Students Scholarship (Shippensburg University)
- 2003-Present. Member of the, Campus Wide, Thurgood Marshall Mentoring Program, Shippensburg University.
- 2003-2005. Member of the Department of Biology's Pond Committee (Shippensburg University)
- 2003-2010. Shippensburg University Vertebrate Museum Director.
- 2002-2010. Chair of the Department of Biology's Seminar Committee (Shippensburg University)
- 2002-2011. Member of the Department of Biology's Graduate Committee (Shippensburg University)
- 1999-2002. Member of the Faculty and Staff Professional Development Committee (Hillsborough Community College, Dale Mabry Campus)
- 1998-2002. Advisor in Phi Theta Kappa Honor Society (Hillsborough Community College)

Other Jobs Experience

- 2009-2011. Maintaining the Graduate Studies for the Department of Biology at Shippensburg University Website.
- 2004-2009. Maintaining the Department of Biology at Shippensburg University Web site.
- 2003-Present. Managing the Dermestid Beetle Colony for Skeletonizing Vertebrates, at the Bio Pond "Bug" Shed, Shippensburg University.
- 1994-1996. Laboratory Technician in Molecular Genetics Project. Nuclear DNA extraction, nuclear DNA amplification, and DNA analysis using PCR, and RFLP techniques on nuclear DNA. Dept. of Biology, University of South Florida, Tampa, Florida, USA.
- 1993-1997. Field Biology Technician subcontracted by Biological Research Associates. Tampa, Florida, USA.
- 1989-1992. Zookeeper of the Herpetological Collection in the Department of Conservation-Education at Busch Gardens. Tampa, Florida, USA.
- 1987. Plant Production General Manager and Goods Quality Control Supervisor at TRANSLESA, Lebrija, Sevilla, Spain.

Knowledge of Languages and Other Research and Teaching Tools

- Spanish.
- English.
- French.
- Computers.and Photography.
- Diver's Certification (NAUI).
- Molecular Techniques (DNA extraction, PCR, RFLP).
- Radiotelemetry/Radio tracking

- Soccer coach

Manuscripts in Press, in Review, or Preparation

- Meshaka, E. Walter Jr., **Pablo R., Delis**, and Sarah A. Mortzfeldt. Seasonal Activity, Reproductive Cycles, and Growth of the Northern Leopard Frog, *Lithobates pipiens* (Schreber, 1782), From Pennsylvania. In review by *Bulletin of the Herpetological Society of Maryland*.
- Meshaka, E. Walter Jr., Eugene Wingert, and **Pablo R., Delis**. Seasonal Activity, Reproductive Cycles, and Growth of the Pickerel Frog, *Lithobates palustris* (LeConte, 1825), From Pennsylvania. In review by *Bulletin of Herpetology*.
- Meshaka, E. Walter Jr., Eugene Wingert, and **Pablo R., Delis**. Three Breeding Episodes of the Spadefoot, *Scaphiopus Holbrookii*, (Harlan 1835), in Central Pennsylvania. In review by *Journal of Kansas Herpetology*.
- **Delis, Pablo R.**, Earl, D. McCoy, and Henry R. Mushinsky. Rarity vs commonness in two treefrogs, *Hyla femoralis* and *H. gratiosa*: the results of life history traits? In preparation to be submitted to *Ecology*.
- **Delis, Pablo R.**. Demographics and life history of the Eastern box turtle (*Terrapene carolina carolina*) in a mildly anthropogenically disturbed site: Letterkenny Army Depot, South Central Pennsylvania. In preparation to be submitted to *Herpetologica*.
- Pelesky, Sam and **Pablo R. Delis**. The influence of Prey Availability on the Dispersal and Movement Patterns of the Timber Rattlesnake (*Crotalus horridus*) in North Central Pennsylvania. In preparation to be submitted to *Herpetological Review*.
- Rach, Matt and **Pablo R. Delis**. Thermal Biology of Gravid Timber Rattlesnake (*Crotalus horridus*) at Basking Sites in North Central Pennsylvania. In preparation.
- **Delis, Pablo R.** *Hyla gratiosa* (Barking treefrog). Novel amplexing location. In preparation.
- Mushinsky, Henry R., **P. R. Delis**, and Earl D. McCoy. Long Term Study of the Anuran Community in a Sandhill in West Central Florida. In preparation.
- **Delis, Pablo R.** Substrate use in four Florida hylids and implications for conservation. In preparation.
- **Delis, Pablo R.** Southern toad (*Bufo terrestris*). Pond mortality. In preparation.

Book Chapters

- **Delis, Pablo R.** and H. R. Mushinsky. 2005. Human Disturbance and Florida Anurans. In Walter E. Meshaka, Jr. and Kimberly J. Babbitt, Editors, Status and Conservation of Florida Amphibians and Reptiles. Krieger Press. Pages: 15-22.

Refereed Publications

- Meshaka, E. Walter Jr. and **Pablo R., Delis.** 2010. Clutch Sizes in Two Populations of the Eastern Garter Snake (*Thamnophis sirtalis*), in Pennsylvania. *Reptiles and Amphibians* 17: 206-208
- **Delis, Pablo R.,** R. S. Stewart, and C. Kindlin. 2010. The Herpetofauna of Letterkenny Army Depot, South-Central Pennsylvania: A Starting Point to the Long-Term Monitoring and Management of Amphibians and Reptiles. *Journal of Kansas Herpetology* 34: 11-16.
- Stewart, Richard L. Jr., **Pablo R. Delis,** and Craig M. Kindlin. 2008. An inventory of the small mammals of Letterkenny Army Depot, Franklin county Pennsylvania. *Journal of the Pennsylvania Academy of Sciences* 81(2):59-65.
- **Delis, Pablo R.** and P. E. Sutton. 2005. *Cnemidophorus sexlineatus* (Six-Lined Racerunner). Behavior. *Herpetological Review.* 36(2): 173.
- Nelson R. T., B. J. Cochrane, **P. R. Delis** and D. Te Strake. 2002. Basidioboliasis in anurans in Florida. *Journal of Wildlife Disease* 38(2): 463-467.
- Jansen, K. P., A. P. Summers, and **P. R. Delis.** 2001. Spadefoot toads (*Scaphiopus holbrookii holbrookii*) in an urban landscape: effects of nonnatural substrates on burrowing in adults and juveniles. *Journal of Herpetology* 35:141-145.
- Christman, S. P., C. A. Young, S. Gonzalez, K. Hill, G. Navratil, and **P. R. Delis.** 2000. New Records of Amphibians and Reptiles from Hardee County, Florida. *Herpetological review* 31: 116-117.
- **Delis, Pablo R.,** Henry R. Mushinsky, and Earl D. McCoy. 1996. Decline of some west-central Florida anuran populations in response to habitat degradation. *Biodiversity and Conservation* 5: 1579-1595.
- **Delis, Pablo R.** and Adam P. Summers. 1996. Note on the Barking Treefrog (*Hyla gratiosa*) Reproduction in West Central Florida. *Herpetological Review* 27: 25-26
- Summers, A. P. and **P. R. Delis.** 1994. Burrowing Performance and Kinematics in the Eastern Spadefoot Toad, *Scaphiopus holbrookii*. *American Zoologist*, index: 34/b-14A.

Educational Material

- **Delis, Pablo R.** 2008. Perch Dissection. In Laboratory Manual For Principle Of Biology I, BIO 115. Shippensburg University. Shippensburg, Pennsylvania, USA. 65-70 p. (Check specifics and the Other chapter)
- **Delis, Pablo R.** 2006. Perch Dissection. In Laboratory Manual For Principle Of Biology I, BIO 115. Shippensburg University. Shippensburg, Pennsylvania, USA. 65-70 p. (Check specifics and the Other chapter)
- **Delis, Pablo R.** 1999. Laboratory Manual For Biological Science II, BSC 1011L. Hillsborough Community College Press. Tampa, Florida, USA. 70 p.

Non Refereed and Other Publications

- R. L. Stewart Jr. and **Pablo R. Delis.** 2006. Pennsylvania Academy of Science Newsletter, August 64(4): 1-15.
- R. L. Stewart Jr. and **Pablo R. Delis.** 2006. Pennsylvania Academy of Science Newsletter, May 64(3): 1-16.
- R. L. Stewart Jr. and **Pablo R. Delis.** 2006. Pennsylvania Academy of Science Newsletter, February 64(2): 1-16.
- R. L. Stewart Jr. and **Pablo R. Delis.** 2006 Pennsylvania Academy of Science Newsletter, January 64(1): 1-16.
- **Delis, R. Pablo.** 2005. The Northern Garter Snake (*Thamnophis sirtalis*) in Pennsylvania. Pennsylvania Academy of Science Newsletter, 63(3): 7
- R. L. Stewart Jr. and **Pablo R. Delis.** 2005. Pennsylvania Academy of Science Newsletter, May 63(3): 1-16.
- R. L. Stewart Jr. and **Pablo R. Delis.** 2005. Pennsylvania Academy of Science Newsletter, February 63(2): 1-16.
- **Delis, R. Pablo et al.** 2005. Shippensburg professors: 'Let science be science.' York Daily Record. February 13, 2005
- R. L. Stewart Jr. and **Pablo R. Delis.** 2005. Pennsylvania Academy of Science Newsletter, January 63(1): 1-16.
- **Delis, R. Pablo.** 2004. Intelligent design in our schools: An embarrassment to Pennsylvania and a disservice to our students. Pennsylvania Academy of Science Newsletter, 62(5): 3.
- R. L. Stewart Jr. and **Pablo R. Delis.** 2004. Pennsylvania Academy of Science Newsletter, October 62(5): 1-16.
- R. L. Stewart Jr. and **Pablo R. Delis.** 2004. Pennsylvania Academy of Science Newsletter, August 62(4): 1-16.

- R. L. Stewart Jr. and **Pablo R. Delis**. 2004. Pennsylvania Academy of Science Newsletter, May 62(3): 1-16.
- **Delis, R. Pablo**. 2004. Pennsylvania Scientists. Shippensburg University. Gordon Kirkland Jr. (1943-1999). Pennsylvania Academy of Science Newsletter, 62(3): 10.
- **Delis, R. Pablo**. 2004. The Eastern Box Turtle (*Terrapene carolina carolina*) in Pennsylvania. Pennsylvania Academy of Science Newsletter, 62(3): 7
- **Delis, Pablo R.** 2001. *Hyla gratiosa* and *H. femoralis* (Anura: Hylidae) in West Central Florida: a comparative study of rarity and commonness. Ph. D. Dissertation, University of South Florida, Tampa, Florida, USA. 253 p.
- **Delis, Pablo R.** 1993. Effects of Urbanization on the Community of Anurans of a Pine Flatwood Habitat in West Central Florida. Master's thesis, University of South Florida, Tampa, Florida, USA. 47 p.

Presentations

- 2011. Long Term Study of the Herpetofauna of Wallops Island, VA: Climate Change Might Make It Really Short. Oral presentation to the Bloomsburg Biology Department, Bloomsburg University of Pennsylvania, Bloomsburg, Pennsylvania. (Local)
- 2011. Female Reproductive Biology of the Eastern Box Turtle, (*Terrapene c. carolina*) in Letterkenny Army Depot, Franklin County, South-Central Pennsylvania. Oral Presentation to the Kansas Herpetological Society 38th Annual Meeting, Wichita, Kansas. (Regional)
- 2011. The Hurricane Toad: Activity Patterns and Reproduction of the Eastern Spadefoot Toad (*Scaphiopus holbrookii*) in West-Central Florida. Oral Presentation to the Kansas Herpetological Society 38th Annual Meeting, Wichita, Kansas. (Regional)
- 2011. (with Dr. Walter Meshaka). Snake Assemblage Structures in the Letterkenny Army Depot, in South-Central Pennsylvania. Oral Presentation to the Kansas Herpetological Society 38th Annual Meeting, Wichita, Kansas. (Regional)
- 2011. (with Dr. Walter Meshaka and William Humbert). Ecology of the American Toad (*Anaxyrus americanus*) in a Northern Allegheny Forest in Pennsylvania. Oral Presentation to the Kansas Herpetological Society 38th Annual Meeting, Wichita, Kansas. (Regional)
- 2011. (with Alexander Eckman). Survey of Snakes in Natural Islands in an Urban and Agricultural Landscape Directly Flanking the Shippensburg University Campus. Oral Presentation to the Pennsylvania Academy of Science Annual Meeting, in Altoona, PA. (State)

- 2011. (with Laurel Campbell and Justin Wissler). Some Life History Traits of the Spring Peeper (*Pseudacris crucifer*) in Cumberland County, South Central Pennsylvania. Oral Presentation to the Pennsylvania Academy of Science Annual Meeting, in Altoona, PA. (State)
- 2010. (with Naim Edwards and Dr. Walter Meshaka). Seasonal Activity, Reproductive Cycles, and Growth of the Pickerel Frog, *Lithobates palustris* (LeConte, 1825), From Pennsylvania. Oral Presentation to the Kansas Herpetological Society 37th Annual Meeting, Topeka Zoo, Topeka, Kansas. (Regional)
- 2010. Frogs, Turtles, and Snakes, Oh my! From Florida to Pennsylvania, My Journey in Herpetofauna Conservation - Ranas, Tortugas, y Serpientes, Vaya!: Desde Florida a Pennsylvania, Mi Sendero en la Conservación de la Herpetofauna. Oral Presentation (in Spanish) to the Asociación de Naturalistas del Sureste, Murcia, SPAIN (International)
- 2010. Research at the Marine Science Consortium: From Ghost Crabs to Mighty Black Rat Snakes. Oral Presentation to the Marine Science Consortium Open House, Wallops Island, Virginia. USA. (Regional)
- 2010. (with Dr. Walter Meshaka). Variability in snake assemblage structure at sites in the Letterkenny Army Depot in south-central Pennsylvania. Oral Presentation to the Joint Meeting of the Herpetologists' League, American Society of Ichthyologists and Herpetologists, and the Society for the Study of Amphibians and Reptiles. Providence, Rhode Island, USA. (International)
- 2009. (with Dr. Walter Meshaka). Summer racers, some are not: Seasonal activity patterns of snakes at Letterkenny Army Depot in south-central Pennsylvania. Oral Presentation to the Kansas Herpetological Society 36th Annual Meeting, Olathe. Kansas. (Regional)
- 2009. (with Dr. Walter Meshaka). Variability in snake assemblage structure at sites in the Letterkenny Army Depot in south-central Pennsylvania. Oral Presentation to the Kansas Herpetological Society 36th Annual Meeting, Olathe. Kansas, (Regional)
- 2008. (with Hock, L.B., Richardson, J.N. , and McCann). HPLC analysis of tetrodotoxin production in *Notophthalmus viridescens*. Undergraduate Poster Presentation to the National American Chemical Society Meeting, New Orleans, LA. (International)
- 2008. (with K. Tarasan) Eastern Box Turtle (*Terrapene carolina carolina*) Morphology and Incidence of Disease in an Anthropogenically Modified Area: Letterkenny Army Depot, South-Central Pennsylvania.. Oral Presentation to the Commonwealth of Pennsylvania University Biologists Annual Meeting, in Shippensburg University, Shippensburg, PA. (State)
- 2008. (with K. L. Waisanen) Movement of Gravid Female Eastern Box Turtles, *Terrapene carolina carolina*, in Response to Precipitation and Temperature.. Poster Presentation to the Commonwealth of Pennsylvania University Biologists Annual Meeting, in Shippensburg University, Shippensburg, PA. (State)

- 2007. (With K. Tarasan) Demography and morphology of the Eastern Box Turtle (*Terrapene c. carolina*) in a partly agriculturally disturbed habitat, Letterkenny Army Depot, South-Central Pennsylvania. Oral Presentation to the 3rd Box Turtle Conservation and Ecology Workshop Edgewater, Maryland. (National)
- 2006. Natural history of the Eastern Box Turtle (*Terrapene carolina*) in an anthropogenically impacted area: LEAD, South Central Pennsylvania. Oral Presentation to the Joint Meeting of the Herpetologists' League, American Society of Ichthyologists and Herpetologists, and the Society for the Study of Amphibians and Reptiles. New Orleans, Louisiana, USA. (International)
- 2006. (with R. L. Stewart Jr. and C. Kindlin) The mammalian fauna of Letterkenny Army Depot, Pennsylvania. Poster Presentation to the Pennsylvania Academy of Science Annual Meeting, in Grantville, PA. (State)
- 2006. (with R. L. Stewart Jr.) Amphibians and reptiles in south central Pennsylvania: monitoring and management at Letterkenny Army Depot. Poster Presentation to the Pennsylvania Academy of Science Annual Meeting, in Grantville, PA. (State)
- 2006. (with E. Ogden , C. Kindlin, and R. Stewart) A survey of coyote (*Canis latrans*) endoparasites in Pennsylvania based on fecal analysis. Poster Presentation to the Pennsylvania Academy of Science Annual Meeting, in Grantville, PA. (State)
- 2006. (with K. W. Steinmann and R.L. Stewart Jr.) Winter diet of coyotes (*Canis latrans*) in Pennsylvania using stomach content analysis. Poster Presentation to the Commonwealth of Pennsylvania University Biologists Annual Meeting, in Kutztown, PA. (State)
- 2005. (with R. L. Stewart Jr. and C. M. Kindlin) The Mammalian Fauna of Letterkenny Army Depot, Pennsylvania: Conservation and Restoration Opportunities for Small Mammals. Poster Presentation to the Threatened, Endangered, and At-Risk Species Research Symposium and Workshop, Strategic Environmental Research and Development Program funded by the Department of Defense, Department of Energy, and Environmental Protection Agency. Baltimore, MD, USA. (International)
- 2005. (with R. L. Stewart Jr.) The Herpetofauna of Letterkenny Army Depot, South Central Pennsylvania: Long Term Monitoring and Management of Amphibians and Reptiles. Poster Presentation to the Threatened, Endangered, and At-Risk Species Research Symposium and Workshop, Strategic Environmental Research and Development Program funded by the Department of Defense, Department of Energy, and Environmental Protection Agency. Baltimore, MD, USA. (International)
- 2005. (with E. Ogden, C. Kindlin, and R. Stewart Jr.) Coyotes serving as helminth reservoirs throughout Pennsylvania. Poster Presentation to the Commonwealth of Pennsylvania University Biologists Annual Meeting, at Millersville University, PA. (State)

- 2005. Between a Rocket and a Hard Place: The Herpetofauna of LEAD, South Central Pennsylvania. Oral Presentation to the Joint Meeting of the Herpetologists' League, American Society of Ichthyologists and Herpetologists, and the Society for the Study of Amphibians and Reptiles. Tampa, Florida, USA. (International)
- 2005. (with Lacey Conrad) Transepidermal water loss in shed snake skin from aquatic and terrestrial snakes. Oral Presentation to the Annual Meeting of Commonwealth of Pennsylvania University Biologists. Millersville University, Millersville, PA. (State)
- 2005. (with Matthew Rach) Thermoregulation in gravid timber rattlesnakes (*Crotalus horridus*) at basking sites in North Central Pennsylvania. Oral Presentation to the Annual Meeting of Commonwealth of Pennsylvania University Biologists. Millersville University, Millersville, PA. (State)
- 2005. (with Lacey Conrad) Transepidermal water loss in shed snake skin from aquatic and terrestrial snakes. Oral Presentation to the Annual Meeting of the Pennsylvania Academy of Sciences. Radisson Inn, Camp Hill, PA. (State)
- 2005. (with Matthew Rach) Thermoregulation in gravid timber rattlesnakes (*Crotalus horridus*) at basking sites in North Central Pennsylvania. Oral Presentation to the Annual Meeting of the Pennsylvania Academy of Sciences. Radisson Inn, Camp Hill, PA. (State)
- 2003. Fossorial preferences of Three West Central Florida treefrogs: Implications for conservation. Oral Presentation to the Joint Meeting of the Herpetologists' League, American Society of Ichthyologists and Herpetologists, and the Society for the Study of Amphibians and Reptiles. Manaus, Brazil. (International)
- 2003. Spatial and Temporal mechanisms affecting anuran population fluctuations in Florida sandhill habitats. With Brian J. Halstead, Henry R. Mushinsky, and Earl D. McCoy. Oral Presentation to the Joint Meeting of the Herpetologists' League, American Society of Ichthyologists and Herpetologists, and the Society for the Study of Amphibians and Reptiles. Manaus, Brazil. (International)
- 2001. *Hyla gratiosa* and *H. femoralis* (Anura: Hylidae) in West Central Florida: a comparative study of rarity and commonness. Oral presentation to the Biology Department, University of South Florida, Tampa, FL. (Local)
- 2000. Rarity vs. Commonness: *Hyla femoralis* and *Hyla gratiosa* (Hylidae: Anura), a case study. Poster Presentation to the Joint Meeting of the Herpetologists' League, American Society of Ichthyologists and Herpetologists, and the Society for the Study of Amphibians and Reptiles. La Paz, Mexico. (International)
- 1999. Rarity vs. Commonness: *Hyla femoralis* and *H. gratiosa* (Hylidae: Anura), a Case Study. Oral presentation to the Florida Ecological and Evolutionary Society, Archbold Biological Station, Lake Placid, FL. (State)

- 1999. Association of *Basidiobolus sp.* with Anurans in West Central Florida (with Rex T. Nelson). Oral presentation to the American Mycological Society, Pittsburgh, Pennsylvania, USA. (International)
- 1995. Burrowing substrate preference in the eastern spadefoot toad, *Scaphiopus h. Holbrookii* (Pelobatidae: Anura). Oral presentation to the Joint Meeting of the Herpetologists' League and American Society of Ichthyologists and Herpetologists, University of Alberta, Edmonton, Alberta, Canada. (International)
- 1994. Herpetofauna of Florida: Overview on Effects of Urbanization on the Community of Anurans. Oral presentation to the Department of Education Conservation of Busch Gardens Florida, Anheuser Busch Co., Tampa, FL. (Local)
- 1993. Effects of Urbanization on the Community of Anurans of a Pine Flatwood Habitat in West Central Florida. Oral presentation to the Department of Biology, University of South Florida, Tampa, FL. (Local)
- 1992. Effects of Urbanization on the Community of Anurans of a Pine Flatwood Habitat in West Central Florida. Oral presentation to the Annual Meeting of the Society for the Study of Amphibians and Reptiles, University of Texas, El Paso, Texas, USA. (International)

Invited Speaker/Conferences/Symposia/Science Referee

- 2011. Long Term Study of the Herpetofauna of Wallops Island, VA: Climate Change Might Make It Really Short. Oral presentation to the Bloomsburg Biology Department, Bloomsburg University of Pennsylvania, Bloomsburg, Pennsylvania. (Local)
- 2011. (With Dr. Walter E. Meshaka Jr.). Status and Conservation of the Wallops Island Coastal Barrier Island Herpetofauna. Oral Presentation to the First Coastal Zone Research Symposium. Marine Science Consortium Education Center, Wallops Island, VA. (Regional)
- 2010. Frogs, Turtles, and Snakes, Oh my! From Florida to Pennsylvania, My Journey in Herpetofauna Conservation - Ranas, Tortugas, y Serpientes, Vaya!: Desde Florida a Pennsylvania, Mi Sendero en la Conservacion de la Herpetofauna. Oral Presentation to the Asociacion de Naturalistas del Sureste, Murcia, SPAIN (International)
- 2008. Global Warming Teach In: Effects of Climate Change on Amphibians and Reptiles. Shippensburg University, Shippensburg.
- 2006. Criminal Justice Symposium: A Biological Perspective, Gestation In Human Beings, as part of "Roe Vs. Wade." Shippensburg University, Shippensburg. (Check title).
- 2005. Student Oral Presentation Awards Judge in the Annual Meeting of the American Society of Ichthyologists and Herpetologists. Area of Ethology and Ecology. Tampa, Florida.

- 2005. The Dover Dilemma: A Conversation on Religion in the Science Classroom. Organized by the Central Pennsylvania Coalition for the Defense of Civil Liberties and the Dickenson School of Law. Carlisle, Pennsylvania, USA.
- 2002. To Be or Not to Be? Common or Rare, These Are the Keys. That is the Question, I See for Frogs Living on Florida's Trees. Presentation to the Interdisciplinary Science Seminar Series. Shippensburg University, Franklin Science Center. Shippensburg, Pennsylvania, USA.

Others

- 2006. Association of Pennsylvania State College and University Faculty Leadership Workshop held in Harrisburg, May 21-23, 2006.
- 2006. Association of Pennsylvania State College and University Faculty Legislative Assembly September Meeting. Monroeville, Pennsylvania.
- 2006. Association of Pennsylvania State College and University Faculty Legislative Assembly November Meeting. Monroeville, Pennsylvania.
- 2006. Association of Pennsylvania State College and University Faculty Legislative Assembly Spring Meeting. Monroeville, Pennsylvania.
- 2005. Association of Pennsylvania State College and University Faculty Legislative Assembly Fall Meeting. Monroeville, Pennsylvania.
- 2003. Association of Pennsylvania State College and University Faculty Leadership Workshop held in Harrisburg, May 18-20, 2003.