

ZACHARY I. FELIX

Assistant Professor of Biology
Reinhardt College
Waleska, GA 30183
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EDUCATION

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|------------------------------------|-----------------------------------|------------|
| Alabama A&M University | Plant and Soil Science | Ph.D. 2007 |
| Marshall University | Biological Sciences | M.S. 2001 |
| SUNY Environ. Science and Forestry | Environ. and Forest Biology | B.S. 1999 |
| SUNY at Cobleskill | Fisheries and Wildlife Technology | A.A.S 1996 |

Language Skills: Beginners Mandarin Chinese (30 weeks of class)

PREVIOUS WORK EXPERIENCE

Dissertation Research 2002, Jan-May 2007
Response of forest herpetofauna to varying levels of overstory tree retention in Alabama
Alabama A&M University, advisor: Yong Wang

Research Assistant - Dr. Howard Reinert 2001, Apr-Nov
The effects of translocation on the Aruba Island rattlesnake and ecology of exotic *Boa constrictor* on Aruba. Work included surgical implantation of radio transmitters.
The Toledo Zoo

Master of Science Research 2000, Apr-Apr 2001
A natural history study of *Desmognathus walteri*, the Black Mt. Salamander, in West Virginia
Marshall University, advisor: Thomas Pauley

Research Assistant – Dr. Thomas K. Pauley 1999, May-Apr 2001
A survey and long-term monitoring study of vertebrates in the Bluestone National Scenic River and Gauley River National Recreational Area. National Parks Service

Nontarget impacts from insecticide applications for gypsy moths on salamanders. USDA Forest Service

Population delineation and effects of habitat alterations on the Cheat Mountain salamander.
USFWS

Regional Coordinator for West Virginia 1999, Oct-Jan 2001
North American Amphibian Monitoring Program. United States Geological Survey

Research Assistant – Gian Rocco 1998, May-Aug

Development of a Stream Plethodontid Assemblage Response index. Pennsylvania State University.

Fish and Wildlife Technician 1997, Sep-Jan 1998
New York State Department of Environmental Conservation, Region 5, Raybrook New York

GRANTS, FELLOWSHIPS AND AWARDS

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|---|-----------|
| Biennial Southern Silvicultural Research Conference Scholarship | 2007 |
| East Asia and Pacific Summer Institutes – China National Science Foundation | 2006 |
| Larval ecology and population structure of the Japanese giant salamander Columbus Zoo and Aquarium and Pittsburgh Zoo. PI: Sumio Okada | 2006-2007 |
| Greater Research Opportunities (GRO) Fellowship U.S. Environmental Protection Agency | 2003-2006 |
| Habitat use of eastern box turtles in stands managed for timber Chicago Herpetological Society | 2005-2006 |
| Movements and population structure of the Japanese giant salamander Cincinnati Zoo and National Zoological Park. PI: Sumio Okada | 2004-2005 |
| Natural history of the Black Mountain salamander in West Virginia West Virginia Department of Natural Resources | 2000-2001 |

TEACHING EXPERIENCE

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|----------------------------------|-------------------------|-----------------|
| Introductory Biology | Jeff. State Comm. Coll. | Spring 2008 |
| Multivariate Analysis (lecturer) | Alabama A&M Univeristy | Fall 2007 |
| Statistics – 500 level | Alabama A&M Univeristy | Fall 2006 |
| Biometry – 400 level | Alabama A&M University | Fall 2004 |
| Herpetology – lab assistant | Marshall University | Spr., Fall 2000 |
| Herpetology – lab assistant | SUNY ESF | Spring 1999 |

REFEREED PUBLICATIONS

Felix, Z.I., Y. Wang, and C. Schweitzer. Effects of experimental canopy manipulation on amphibian reproductive dynamics in the Cumberland Plateau of Alabama. *Journal of Wildlife Management* (In Revision).

Felix, Z.I., Y. Wang, and C. Schweitzer. Movements and habitat use of Eastern Box Turtles in forest stands managed for timber. *Copeia* (In Revision).

- Okada, S., T. Utsunomiya, T. Okada, Z.I. Felix. Characteristics of two Japanese giant salamander populations in Hiroshima Prefecture. *Herpetological Conservation and Biology* (In Press).
- Felix, Z.I., Y. Wang, H. Czech, and C.J. Schweitzer. In Press. Relative abundance of juvenile Eastern Box Turtles in managed forest stands. *Chelonian Conservation Biology* 7(1): XX-XX.
- Yin Q., Z. Felix, Qiang D., Y. Wang, B. Wang, Y. Yang, and Y. Wang. 2007. Post-breeding movements, home range, and microhabitat use of plateau brown frogs, *Rana kukunoris*, in Zoige Alpine Wetland, China. *Acta Zoologica Sinica*. 53(6): 974-981.
- Yin Q., Z. Felix, D. Qiang, Y. Wang, L. Liu, Q. Zhang, Y. Wang. 2007. Summer and autumn activity of *Rana kukunoris* around a seasonal pond in the Zoige alpine peatland. *Zoological Research* 28(5): 526-530.
- Wang, Y., A.A. Lesak, Z. Felix, and C.J. Schweitzer. 2006. Initial response of an avian community to silvicultural treatments in the southern Cumberland Plateau, Alabama, USA. *Integrative Zoology* 1: 126-129.
- Okada, S., T. Utsunomiya, T. Okada, and Z.I. Felix. 2006. Radio transmitter attachment by suturing for the Japanese Giant Salamander (*Andrias japonicus*). *Herpetological Review* 37(4): 431-434.
- Felix, Z.I., and T.K. Pauley. 2006. Diets of Black Mountain and seal salamanders. *Northeastern Naturalist* 13(4): 469-476.
- Juterbock, J.E., and Z.I. Felix. 2005. Black Mountain salamander. *Desmognathus welteri*. Barbour, 1950. Pp. 728-730 *In*: Lannoo, M.J. (ed.), *Amphibian Declines: The Conservation Status of the United States Species*. Univ. California Press, Berkeley.
- Humphries, W.J., Z.I. Felix, T.K. Pauley, W.H. Martin. 2003. A new lizard species, *Aspidoscelis sexlineata*, in West Virginia. *Proceedings of the West Virginia Academy of Science* 75(2): 22-25.
- Felix, Z.I., and T.K. Pauley. 2002. Distribution and habitat of *Desmognathus welteri*, Black Mountain salamander, in West Virginia. *Proceedings of the West Virginia Academy of Science* 74(2): 54-57.
- Waldron, J.L., T.K. Pauley, Z.I. Felix, W.J. Humphries, A.J. Longenecker. 2001. The herpetofauna of the Bluestone National Wild and Scenic River. *Proceedings of the West Virginia Academy of Science* 73(2): 1-10.
- Felix, Z.I., W.J. Humphries, T.K. Pauley, W.H. Martin. 1999. *Cnemidophorus sexlineatus* (six-lined racerunner). Distribution. *Herpetological Review* 30(4): 233.

CONFERENCE PROCEEDINGS

- Felix, Z.I., Y. Wang, C. Schweitzer. 2007. Abundance and population structure of eastern worm snakes in forest stands with various levels of overstory tree retention. *In*: Connor, K.F.

(ed.), Proceedings of the 14th biennial southern silvicultural research conference. Gen. Tech. Rep. SRS-##. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. (In Press).

Wang, Y., A. Lesak, Z. Felix, and C.J. Schweitzer. 2004. Response of avian community to the forest regeneration treatments in the oak-hickory forest of the southern Cumberland Plateau, USA. *In*: Proceedings of the XIXth International Congress of Zoology. China Zoological Society, Beijing, China.

Felix, Z.I., Y. Wang, C. Schweitzer. 2003. Relationships between herpetofaunal community structure and varying levels of overstory tree retention in northern Alabama. *In*: Connor, K.F. (ed.) Proceedings of the 12th biennial southern silvicultural research conference. Gen. Tech. Rep. SRS-71. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station.

INVITED PRESENTATIONS

| | | |
|---|----------------|------|
| AL Chapter, The Wildlife Society | Auburn, AL | 2008 |
| SE Partners in Amphibian and Reptile Conservation | Athens, GA | 2008 |
| Chengdu Institute of Biology | Chengdu, China | 2006 |
| EPA STAR Fellowship Conference | Washington, DC | 2004 |
| University of North Alabama, Sigma Xi | Florence, AL | 2003 |
| Tottori Natural History Society | Tottori, Japan | 2002 |

RECENT PRESENTATIONS OF RESEARCH

Felix, Z., Y. Wang, and C.J. Schweitzer. 2007. Movement patterns and habitat use of Eastern Box Turtles in forest stands managed for timber production. Annual Joint Meeting of Ichthyologists and Herpetologists. St. Louis, MO.

Felix, Z., Y. Wang, C.J. Schweitzer, and L.J. Gatens. 2007. Relationships between small mammal community structure and varying levels of overstory tree retention in northern Alabama. 12th annual meeting of the Southeastern Bat Diversity Network and 17th Colloquium on Conservation of Mammals in the Southeastern United States. Destin, FL.

Felix, Z., Y. Wang, and C.J. Schweitzer. 2007. Abundance and population structure of eastern worm snakes, *Carphophis amoenus*, on forest stands with various levels of overstory tree retention. 14th Biennial Silvicultural Research Conference. Athens, GA.

Felix, Z.I., Y. Wang, and C.J. Schweitzer. 2007. Herpetofauna community structure response to forest management: An overview. Southeastern Partners in Amphibians and Reptiles Conservation, Chattanooga, TN.

Okada, S., T. Okada, and Z. Felix. 2007. Conservation of the Japanese giant salamander: How research and education can contribute. Zoos and Aquariums Committing to Conservation, Association of Zoo and Aquariums. Houston, TX.

Felix, Z., Wang, Y., and Schweitzer. 2006. Movement patterns of eastern box turtles, *Terrapene carolina*, in forest stands managed for timber. 67th annual meeting of the Association of

Southeastern Biologists. Gatlinburg, TN. Southeastern Biologist 53: 241 (published abstract).

Felix, Z., Y. Wang, and C. Schweitzer. 2005. The effect of changing canopy cover on amphibian oviposition rates. 66th annual meeting of the Association of Southeastern Biologists. Florence, AL. Southeastern Biology 52: 154 (published abstract).

Felix, Z., Y. Wang, and C.J. Schweitzer. 2004. Differences in herpetofaunal community structure in relation to varying levels of overstory tree retention in northern Alabama. Annual Joint Meeting of Ichthyologists and Herpetologists, Norman, OK (Poster).

Felix, Z., Y. Wang, and C.J. Schweitzer. 2004. Demographics of *Bufo americanus* populations in relation to several silvicultural techniques in northern Alabama. 65th annual meeting of the Association of Southeastern Biologists. Memphis, TN. Southeastern Biology 51: 160 (published abstract).

Felix, Z., Y. Wang, and C.J. Schweitzer. 2004. Response of vegetation structure and microclimate to varying levels of overstory tree retention in northern Alabama. 1st Annual Southeast Evolution and Ecology Conference, Atlanta, GA.

OUTREACH & TECHNOLOGY TRANSFER

I have participated in 10 field tours at my dissertation research sites which resulted in exposure to over 350 participants from the following organizations: AL Land Trust, AL Forest Landowners Association, AL National Forests, AL Department of Conservation and Natural Resources, Treasured Forest Landowners, AL Forest Commission, Southeastern Hardwood Forestry Group, Society of American Foresters, Sierra Club, The Nature Conservancy, and the AL chapter of The Wildlife Society.

PEER REVIEW

I have served as a peer reviewer for the following journals:
Herpetological Conservation and Biology
Asiatic Herpetological Research

I currently serve as an English editor for Biodiversity Science, a Chinese journal.

PROFESSIONAL ORGANIZATION MEMBERSHIPS

Partners in Amphibian and Reptile Conservation
Society for the Study of Amphibians and Reptiles
Herpetological Society of Japan
Association of Southeastern Biologists