# Tracy S. Feldman

**Biologist**

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LinkedIn Profile

## Skills

- Environmental education
- Surveying plants, insects, birds, and other taxonomic groups
- Using and developing dichotomous keys
- Data analysis and interpretation
- Computer skills: R, MATLAB, MS Word, Excel, Power Point
- Valid NC driver's license
- Experience with ArcGIS
- Citizen science
- Land management
- Research methods and experimental design

## Experience

AUGUST 2014-PRESENT (Assistant Professor from August 2014 – August 2020, Associate Professor thereafter)

### Associate Professor of Biology at St. Andrews University, Laurinburg, NC

- teaching ecology, botany, plant diversity, field biology, entomology, and zoology—developing all aspects of courses
- I have taught team-taught courses in general education. I work well as a team on committees.
- I co-taught a course on symbiosis called "Interdependent Life" with a religion professor.
- supervising undergraduate students in ecology-related scientific research projects and outreach
- conducting diversity surveys of mammals, birds, reptiles, amphibians, fishes, vascular plants, bryophytes, butterflies, dragonflies, spiders, mollusks; discovering and documenting new species of leaf-mining insects (including 13 species of flies and more than 5 species of moths; http://tracysfeldman.com/StAndrews_research_projects.html)
- managing a power-line right-of-way through a Carolina bay on St. Andrews University Campus. I have trained and supervised students in management (tree removal to prevent use of herbicides in the right-of-way). I incorporate information from scientific literature and maintain communication with employees at Duke Energy Progress. I have gained knowledge of fire suppression and fire management.
- I prioritize tasks and complete diverse and numerous projects (for courses and for the university) in a timely manner.
- I communicate effectively, both orally (in classes and seminars) and in written form (in curriculum materials and other writing projects. For example, for the past year and a half, I have written a weekly "Critter of the Week" essay addressing aspects of natural history, ecology, evolution, and management.

SUMMERS 2021-2

### Assistant Botanist for the National Wetlands Condition Assessment

- searching for wetland plants in sites across the North Carolina Piedmont and Coastal Plain
- identifying plants using dichotomous keys

SUMMERS 2018 AND 2019

### Environmental Education Park Aide at Lake Crabtree County Park, Morrisville, NC

- designed and implemented environmental education programs and workshops on plant ID and herbivorous insects, including designing a dichotomous key to vines, shrubs, and trees of the park
- inventoried species including leaf-mining insects and some plants at the park
- monitored species in the park
- helped remove invasive plants

OCTOBER 2013 – MARCH 2014

### Visiting Lecturer at The University of North Carolina Chapel Hill, Chapel Hill, NC

- teaching Ecology and Comparative Animal Physiology

October 2013 – August 2014

### Contract Editor at American Journal Experts, Durham, NC

- edit manuscripts for grammatical correctness and style

AUGUST 2008 – JANUARY 2013

### Assistant Professor of Biology at The University of Wisconsin – Stevens Point, Stevens Point, WI

- developed and taught ecology, plant ecology, seminar courses, introductory biology for non-majors
- conducted research on demography of Fassett's Locoweed, an endemic plant in WI; morphological evolution in swallowtail caterpillars; biology and diversity of endophytic fungi
- helped write a 5-year review for Fassett's Locoweed, a threatened plant in Wisconsin (2012)
- Panel member, for a panel on Karner Blue Butterfly recovery strategies (spring 2010)

JANUARY 2006 – AUGUST 2008

### Postdoctoral Research Associate at The Samuel Roberts Noble Foundation, Ardmore, OK

- conducted research on viruses of plant-associated fungi: their ecology, diversity

## Education

MAY 2005

### Ph.D. in Biology at Duke University, Durham, OK

Dissertation: Can pollination facilitation mitigate the Allee effect?

MAY 1999

### Master of Science in Zoology at the University of Florida, Gainesville, FL

Thesis: Effects of an introduced plant on oviposition choice and larval survival of native butterflies (*Anthanassa* spp.) in Monteverde, Costa Rica

MAY 1995

### B.A. in Biology at Bard College, Annandale-on-Hudson, NY

Thesis: Island biogeography of goldenrod-associated insects

# Activities

**Online course in GIS at North Carolina State University** (Spring 2019)
incorporated GIS information and developed maps of diabase dikes and surrounding habitats within 0.5 miles of major roads in four piedmont counties. (http://tracysfeldman.com/GIS.html)

Participated in Bioblitz events put on by the Piedmont Wildlife Center (2014-2019)

North Carolina Environmental Education Certification (2015)