

Linda Tucker Serniak, Ph.D.

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EDUCATION

Ph.D. in Environmental Sciences <i>Oregon State University, Corvallis, OR</i>	2021
Graduate Certificate in College & University Teaching <i>Oregon State University, Corvallis, OR</i>	2018
M.S. in Biology <i>Bloomsburg University of Pennsylvania, Bloomsburg, PA</i>	2015
B.S. in Environmental Biology <i>Keystone College, La Plume, PA</i>	2013

PROFESSIONAL POSITIONS HELD

Assistant Professor of Botany , Department of Biological and Physical Sciences <i>Keystone College, La Plume, PA</i>	2023 – Present
Adjunct Instructor , Graduate Certificate in College and University Teaching Program <i>Oregon State University, Corvallis, OR</i>	2023 – Present
Assistant Professor of Biology , Division of Natural and Applied Sciences and Mathematics <i>Defiance College, Defiance, OH</i>	2021 – 2023
Graduate Assistant , Graduate Student Success <i>Oregon State University, Corvallis, OR</i>	2020 – 2021
Graduate Teaching Assistant , Graduate Certificate in College and University Teaching Program <i>Oregon State University, Corvallis, OR</i>	2018 – 2020
Graduate Teaching Assistant , Department of Integrative Biology <i>Oregon State University, Corvallis, OR</i>	2016 – 2018
Graduate Assistant , Department of Biological and Allied Health Sciences <i>Bloomsburg University of Pennsylvania, Bloomsburg, PA</i>	2014 – 2015

COURSES TAUGHT

Keystone College

BIOL 1010: Introduction to Field Biology	2023
BIOL 1125: General Biology I	2023
BIOL 1150: Botany	2023
BIOL 4150/5260: Mycology	2023

Oregon State University

BIO 211: Principles of Biology Lab	2016 – 2017
BIO 212: Principles of Biology Lab	2016 – 2018
BIO 213: Principles of Biology Lab	2016 – 2018
GRAD 513: Professional Development in College and University Teaching	2018 – 2021
GRAD 607: Capstone in College and University Teaching	2023
GRAD 610: Internship in College and University Teaching	2023

Defiance College

BIO 120: Principles of Biology I	2021 – 2022
BIO 129: Principles of Biology II	2022 – 2023
BIO 250: Field Zoology	2022
BIO 270: Field Botany	2021
BIO 320: Ecology	2022
BIO 350: Fisheries and Wildlife Management	2023
BIO 420: Restoration Ecology I	2022
BIO 421: Restoration Ecology II	2022
CHEM 124: General Chemistry II	2023
GEN 101: Jacket Journey: Discover	2022
HON 101: Honors Seminar	2022
NSCI 378: Research Methods	2021

PEER-REVIEWED PUBLICATIONS

Serniak L.T., P. Rohloff, & C.C.A. Agnew (2023) Amur Honeysuckle (*Lonicera maackii*) increases abundance and diversity of shrub-dwelling arthropods and birds in forest edge habitat. *Journal of Ornithology* 164:943-951. doi: 10.1007/s10336-023-02064-w

Serniak L.T., S.S. Chan, & K. Lajtha (2023) Predicting habitat suitability for *Amyntas spp.* in the United States: a retrospective analysis using citizen science data from iNaturalist. *Biological Invasions* 25:817-825. doi: 10.1007/s10530-022-02947-8

Serniak L.T., C.E. Corbin, A.L. Pitt, & S.T. Rier (2017) The effects of Japanese Knotweed on avian diversity and function in riparian habitats. *Journal of Ornithology* 158(1): 311-321. doi: 10.1007/s10336-016-1387-6

Serniak L.T. (2016) Comparison of the allelopathic effects and uptake of *Fallopia japonica* phytochemicals by *Raphanus sativus*. *Weed Research* 56: 97-101. doi:

 OTHER PUBLICATIONS

Serniak L.T. The Effects of Earthworms on Carbon Dynamics in Forest Soils, Reference Module in Earth Systems and Environmental Sciences, Elsevier. doi: 10.1016/B978-0-12-409548-9.10670-0

 RESEARCH GRANTS

Agricultural Research Foundation. Introduced earthworms in Oregon: an investigation into the impacts on soil organic matter in agroecosystems **2019**
(ARF#8994A, Co-PI: K Lajtha) \$12,500

 CONFERENCE PRESENTATIONS

Serniak L.T., P. Rohloff, & C.C.A. Agnew. Amur Honeysuckle (*Lonicera maackii*) increases abundance and diversity of shrub-dwelling arthropods and birds in forest edge habitat. *Ohio Academy of Science Meeting, Piqua, OH* **2023**

Bickford L.S., D.D. Powell, & **L.T. Serniak.** How earthworms affect the growth and production of radish plants: a comparison of *Lumbricus terrestris* and *Amyntas agrestis*. *Ohio Academy of Science Meeting, Findlay, OH.* **2022**

Serniak L.T. Earthworms: friend or foe? *Invasives 2020, Vancouver, Canada.* **2020**

Serniak L.T. The Asian jumping worm: an emerging threat to western North America. *Invasives 2020, Vancouver, Canada.* **2020**

Serniak L.T. & S. Chan. The bait that keeps on wiggling: vectors and outreach for the Asian Jumping Worm. *International Conference on Aquatic Invasive Species, Montreal, Canada.* **2019**

Serniak L.T. & L.J. Kayes. The muddiest point in a biology laboratory: does low-effort feedback affect test scores and attitudes about learning science? *Society for the Advancement of Biology Education Research West Meeting, Irvine, CA.* **2018**

Chan S., K. Preston, **L. Tucker,** T. Siemens, K. Martin. Working with the Fisheries Profession to Prevent the Selective Spread of the Asian Jumping Worm (*Amyntas* spp) by Anglers through Bait and their Recreational Activities. *American Fisheries Society Annual Meeting, Tampa, FL.* **2017**

Serniak L.T., K. Martin, S.S. Chan, T. Siemens, D. Goodrich, N. Moen, J. Lam. What role might pet owners have on unused pharmaceutical and personal care products entering the aquatic environment? *SerPIE One Health Conference on Pharmaceuticals and Personal Care Products, Huntsville, AL.* **2016**

Serniak L.T. & C.E. Corbin. The effects of Japanese Knotweed on avian diversity and function in riparian corridors. *Commonwealth of Pennsylvania University Biologists Meeting, Indiana, PA.* **2015**

Tucker L. Decomposition and Macroinvertebrate Colonization of Leaf Litter from Japanese Knotweed (*Fallopia japonica*). *Commonwealth of Pennsylvania University Biologists Meeting, Bloomsburg, PA.* **2014**

PUBLIC OUTREACH ACTIVITIES

Letters to a Pre-Scientist Program. Partnered with a middle school pen pal as part of a program to make science more accessible to low-income students and connect them with scientist role models **2019 -2023**

University of Vermont Extension/Lake Champlain Sea Grant Stormwater Education Series. Webinar: Potential Presence of and Risks From COVID-19 in Water. Co-presented with S. Chan, T. Siemens, W. Kong, A. Cathcart, and D. Arisa. **2020**

Oregon State University Extension Advanced Training Webinars for Master Gardeners. Webinar: Asian Jumping Worms: A Threat to Oregon Landscapes. Co-presented with S. Chan **2019**

PROFESSIONAL SOCIETY MEMBERSHIPS

- Ecological Society of America
- National Association of Biology Teachers

PROFESSIONAL DEVELOPMENT

National Association of Biology Teachers Annual Meeting, *Baltimore, MD* **2023**

National Association of Biology Teachers Annual Meeting, *Indianapolis, IN* **2022**

Inclusive Teaching: Supporting All Students in the College Classroom (online course), *Columbia University Center for Teaching and Learning via EdX* **2020**

An Introduction to Evidence-Based Undergraduate STEM Teaching (online course), *CIRTL Network via EdX* **2020**

Society for the Advancement of Biology Education Research West Meeting, *Irvine, CA* **2018**

PROFESSIONAL CREDENTIALS

Center for the Integration of Research, Teaching and Learning (CIRTL)

- Scholar level
- Practitioner level
- Associate level

INSTITUTIONAL SERVICE COMMITTEES

Keystone College

Teaching and Learning Committee **2023 – Present**

Defiance College

Accessibility Subcommittee of B.REALL **2022 – 2023**

STEM Task Force **2021 – 2023**

Oregon State University

Graduate Student Advisory Council **2020 – 2021**

HONORS & AWARDS

Graduate Travel Award, Oregon State University **2019**

First Place Graduate Poster Presentation, Commonwealth of Pennsylvania
University Biologists Meeting **2014**

Outstanding Graduate in Environmental Biology, Keystone College **2013**

Outstanding Research Award, Department of Natural Sciences & Mathematics,
Keystone College **2013**

Excellence in Research Award, Keystone College Research & Creativity
Celebration **2013**

PEER REVIEW POSITIONS

- Biogeochemistry
- Chemoecology
- Water, Air & Soil Pollution
- Weed Research