

**Rachel O. Jones**  
*Curriculum Vitae*

**CONTACT INFORMATION**

Corvallis, Oregon 97330

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**EDUCATION**

- 2010-2014     PhD. Ecology, Evolution, and Conservation Biology, University of Nevada - Reno, Reno, Nevada  
Overall GPA: 4.0. Graduation Date: May 2014
- 2007-2009     M.S. Biology, Villanova University, Villanova, Pennsylvania  
Overall GPA: 3.89. Graduation Date: December 2009
- 2003-2007     B.S. Biology, Truman State University, Kirksville, Missouri  
Overall GPA: 3.87. Graduation Date: May 2007

**PROFESSIONAL EXPERIENCE**

- 2022-Present   Student Engagement Coordinator, College of Agricultural Sciences (CAS) – Academic Programs Office (APO), Oregon State University, Corvallis, OR
- Plan, implement and coordinate all processes related to three undergraduate research programs within CAS.
  - Collaborate with CAS department/programs and APO to determine college-level experiential learning needs and orientation programming.
  - Analyze data to track and assess performance of experiential learning programs against program goals and objectives to ensure growth and identify trends and opportunities.
  - Develop and maintain industry/agency relationships and recruit new industry/agency representatives willing to provide experiential opportunities for CAS students.
  - Develop appropriate marketing programs, social media, web, and other communication for all CAS experiential learning programs.
  - Act as primary contact and working partner for the OSU Career Development Office for partnerships opportunities, college representation, and knowledge of their current programming.
  - Plan, coordinate and administer diverse, equitable and accessible events, workshops and training for all CAS students.
  - Serve as faculty advisor for the CAS Club Leadership Team, a team of students who serve as the lead and promotional body for student clubs and organizations within the College.
  - Coordinate with university-wide programs and programs in other colleges that seek opportunities for undergraduate experiential learning.

- Assist in college planning and grant writing to generate funds to support student participation in programming.

2018-2022 Instructor, Biological & Ecological Engineering Department, Oregon State University, Corvallis, OR

- Instructed BEE 415 (Professional Development) every fall term, starting in Fall 2018.
- Instructed BEE 270 (Ecology for Engineers) every fall term, starting in Fall 2021.
- Instructed BEE 102 (Ecological Engineering II) in Winter 2021.
- Prepared and presented lectures, moderated in-class and Canvas discussions, led laboratory field trips, developed and graded assignments and exams.

2017-2022 Head Academic Advisor, Biological & Ecological Engineering Department, Oregon State University, Corvallis, OR

- Assisted ~110 Ecological Engineering undergraduate students with course registration, petitions, progression monitoring, and degree audits each term.
- Provided professional development support for students, including resume and cover letter editing, networking and interviewing skills, and job/internship/research searches.
- Reviewed undergraduate student progression data each term to identify students experiencing academic difficulty and communicated options to students to explore resources and appropriate corrective measures to improve overall success.
- Assisted with incoming student orientations and provide transition support for transfer students, including evaluation of transfer credits and articulations.
- Coordinated with the OSU Schedule Desk to organize and edit department course offering each term.
- Worked closely with BEE undergraduate committee on curriculum and program changes.
- Reviewed and updated all department advising material and crosschecked material in OSU catalog, websites, and other publications for consistency.
- Served as departmental representative on College of Engineering Head Advisor Committee, COE Reinstatement Committee, and all other university and college committees where the advising function of the department needs are to be represented.
- Collected and analyzed data on admission, enrollment, degrees, demographics, job placement, etc. as required for accreditation, internal and external surveys, and other assessments.

- 2018-2020 Instructor, Department of Botany and Plant Pathology, Oregon State University, Corvallis, OR
- Instructed BI 301 (Human Impacts on the Environment) in Winter 2018 and Winter 2020. Instructed BI 371 (Ecological Methods) in Spring 2018.
  - Prepared and presented lectures, moderated in-class and Canvas discussions, led laboratory field trips, developed and graded assignments and exams.

### RESEARCH EXPERIENCE

- 2010-2014 Dissertation Researcher, University of Nevada – Reno, Reno, NV  
Project: “The role of disturbance in plant-soil feedbacks and invasion in sagebrush steppe ecosystems.”  
Advisors: Dr. Jeanne Chambers and Dr. Elizabeth Leger
- 2007-2009 Master’s Thesis Researcher, Villanova University, Villanova, PA  
Project: “Is biodiversity really a barrier to ecosystem invasion?: An analysis of the mechanisms of plant invasions.”  
Advisor: Dr. Samantha Chapman
- 2005-2006 NSF-UBM Researcher, Truman State University, Kirksville, MO  
Project: “Quantitative identification of northeastern Missouri bats via standard and acoustic sampling.”  
Advisors: Dr. Scott Burt and Dr. Jason Miller

### PROFESSIONAL DEVELOPMENT

- 2019-Present Biological & Ecological Engineering Department Scholarship Committee
- 2018-Present College of Engineering Reinstatement Committee
- 2017-Present Biological & Ecological Engineering Undergraduate Program Curriculum Committee
- 2018 College of Engineering Peer-tutoring Hiring Committee
- 2018 College of Engineering Advisor Search Committee
- 2016-2017 English language reviewer for manuscript, Boris Droz, ETH Zurich
- 2016-2017 English language reviewer for grants, abstracts and manuscripts, Lenny Winkle, ETH Zurich and Eawag
- 2015 English language reviewer for grant, Devis Tuia, University of Zurich
- 2015 Manuscript Reviewer, African Journal of Agricultural Research
- 2014 Manuscript Reviewer, Ecology
- 2014 Manuscript Reviewer, Applied Soil Ecology
- 2012 Teaching Assistant, Natural Resources and Environmental Science, University of Nevada- Reno, Reno, NV
- 2010 Manuscript Reviewer, Soil Science Society of America Journal
- 2009 Guest Lecturer, Villanova University, Villanova, PA
- 2008-2010 Research Assistant, Villanova University, Villanova, PA
- 2007-2008 Teaching Assistant, General Biology, Villanova University, Villanova, PA

2005, 2008 GIS Mapping Investigator, GISetc., Costa Rica and Peru  
2004-2006 Museum Curatorial Assistant, Truman State University, Kirksville, MO

### AWARDS AND HONORS

2013 Graduate Student Association Travel Grant, University of Nevada, Reno (\$465)  
2013 Ecology, Evolution, and Conservation Biology Graduate Program travel grant, University of Nevada, Reno (\$275)  
2012 Graduate Student Association Travel Grant, University of Nevada, Reno (\$500)  
2012 Third place, Oral Presentation, Graduate Student Association, University of Nevada, Reno (\$350)  
2012 Graduate Student Association Research Grant, University of Nevada, Reno (\$2,500)  
2011 Agricultural Research Fellow Scholarship, University of Nevada, Reno (\$900)  
2009 First place, Student Oral Paper Presentation, Soil Ecology Society's Annual Conference, Burlington, VT  
2009 Summer Research Fellowship, Villanova University  
2008-2009 Research Fellowship, Villanova University  
2008 Sigma Xi Grant-in-Aid of Research  
2007-2008 Teaching Assistantship, Villanova University  
2006 Study Abroad Scholarship, University of Tasmania  
2005 Vice President's List (GPA 3.5-3.99), Truman State University  
2003-2006 President's List (GPA 4.0), Truman State University  
2003-2006 Missouri Bright Flight Scholarship, Truman State University  
2003-2006 President's Honorary Scholarship, Truman State University  
2003-2006 President's Combined Abilities Scholarship, Truman State University  
2003 National Education Association Scholarship, Rockwood School District

### PUBLICATIONS

Mahood, A.L., **R.O. Jones**, D. I. Board, J. K. Balch, and J.C. Chambers. 2022. Interannual climate variability mediates changes in carbon and nitrogen pools caused by annual grass invasion in a semiarid shrubland. *Global Change Biology* 28: 267-284.

Chapman, S.K., K.A. Devine, C. Curran, **R.O. Jones**, and F.S. Gilliam. 2015. Impacts of soil nitrogen and carbon additions on forest understory communities with a long nitrogen deposition history. *Ecosystems* 19:142-154.

**Jones, R.O.**, J.C. Chambers, D.I. Board, D.W. Johnson, and R.R. Blank. 2015. The role of resource limitation in restoration of sagebrush ecosystems dominated by cheatgrass (*Bromus tectorum*). *Ecosphere* 6: 1-21.

**Jones, R.O.**, J.C. Chambers, D.W. Johnson, R.R. Blank and D.I. Board. 2015. Effect of repeated burning on plant and soil carbon and nitrogen in cheatgrass (*Bromus tectorum*) dominated ecosystems. *Plant and Soil* 386: 47-64.

**Jones, R.O.** and S.K. Chapman. 2011. The roles of biotic resistance and nitrogen deposition in regulating non-native understory diversity. *Plant and Soil* 345: 257-269.

#### **CONFERENCE PRESENTATIONS**

R.O. Jones, J.C. Chambers, D.W. Johnson, D.I. Board, and R.R. Blank. 2013. Effects of repeated burning on nitrogen budgets and cheatgrass (*Bromus tectorum*) biomass and reproduction. Paper presented at the Ecological Society of America annual conference in Minneapolis, Minnesota.

R.O. Jones, J.C. Chambers, D.W. Johnson, D.I. Board, and R.R. Blank. 2013. Effects of repeated burning on soil nitrogen and cheatgrass (*Bromus tectorum*) biomass and reproduction. Paper presented at the Soil Water Conservation Society annual conference in Reno, Nevada.

Blank, R.R., D.W. Johnson, T. Morgan, P. Freeze, R. Jones, R. Lawrence, A. Lue, L. Roaldson, J. Steinman, and C. Woodward. 2013. Biogeochemistry of a soil catena in the eastern Sierra Nevada Range, NV. Poster presented at the Soil Water Conservation Society annual conference in Reno, Nevada.

Jones, R.O., J.C. Chambers, D.W. Johnson, D.I. Board, and R.R. Blank. 2013. Effects of repeated burning of cheatgrass (*Bromus tectorum*) dominated ecosystems on litter, soil and plant nitrogen. Paper presented at North American Forest Soils annual conference in Whitefish, Montana.

Jones, R.O., J.C. Chambers, D.W. Johnson, D.I. Board, and R.R. Blank. 2012. Effects of repeated burning of cheatgrass (*Bromus tectorum*) dominated ecosystems on litter, soil and plant nitrogen: Implications for restoration. Poster presented at the Ecological Society of America annual conference in Portland, Oregon.

Board, D.I., J.C. Chambers, R.O. Jones, D.W. Johnson, and R.R. Blank. 2012. Effects of repeated burning of cheatgrass (*Bromus tectorum*) dominated ecosystems on plant density, biomass and seed production: Implications for restoration. Poster presented at the Ecological Society of America annual conference in Portland, Oregon.

Chapman, S.K., K.A. Devine, and R.O. Jones. 2012. Interactions between herbivory and nitrogen availability alter invasive plant dynamics in forest understory

- communities. Paper presented at the Ecological Society of America annual conference in Portland, Oregon.
- Jones, R.O., J.C. Chambers, D.W. Johnson, D.I. Board, and R.R. Blank. 2012. Effects of repeated burning on cheatgrass (*Bromus tectorum*) dominated ecosystems: Implications for restoration. Oral presentation for Graduate Student Association Presentation Fair in Reno, Nevada.
- Jones, R.O., J.C. Chambers, D.I. Board, D.W. Johnson, and R.R. Blank. 2011. Can repeated burning of cheatgrass (*Bromus tectorum*) dominated rangelands be used to restore sagebrush steppe? Field tour presentation at Great Basin Science Delivery workshop in Winnemucca, Nevada.
- Jones, R.O. and S.K. Chapman. 2009. Is biodiversity really a barrier to ecosystem invasion?: An analysis of the mechanisms of plant invasions. Paper presented at the Soil Ecology Society annual conference in Burlington, Vermont.
- Jones, R.O. and S.K. Chapman. 2009. Is biodiversity really a barrier to ecosystem invasion?: An analysis of the mechanisms of plant invasions. Poster presented at the Sigma Xi Research Day in Villanova, Pennsylvania.
- Jones, R.O. and S.K. Chapman. 2009. Is biodiversity really a barrier to ecosystem invasion?: An analysis of the mechanisms of plant invasions. Paper presented at the Lehigh Valley Ecology and Evolution Society meeting in Allentown, Pennsylvania.
- Van Amburg, R.O., J. Kelly, M.S. Burt, and J. Miller. 2006. Quantitative identification of northeastern Missouri bats via acoustic and standard surveys. Paper presented at the Truman State University Student Research Conference in Kirksville, Missouri.
- Van Amburg, R.O. J. Kelly, M.S. Burt, and J. Miller. 2005. Quantitative identification of northeastern Missouri bats via acoustic and standard surveys. Paper presented at the Central Plains Society of Mammalogists in Kirksville, Missouri.
- Van Amburg, R.O. J. Kelly, M.S. Burt, and J. Miller. 2005. Quantitative identification of northeastern Missouri bats via acoustic and standard surveys. Paper presented at the Truman State University STEP Summer Project Proposal meeting in Kirksville, Missouri.

#### **PROFESSIONAL AFFILIATIONS**

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| 2013      | Soil Water Conservation Society |
| 2011-2014 | Ecological Society of America   |
| 2009      | Soil Ecology Society            |

