



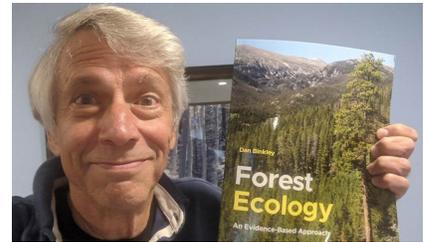
# GDPE Weekly Digest



October 18th, 2021

Dear all,

Dan Binkley, Director of GDPE since its inception in 1994 through to 2005, has published a book on Forest Ecology. He says the book emphasizes the value of evidence over concepts in ecology. As someone who loves concepts, I'm intrigued! As Dan pointed out, often in classes we hear (or say), 'here's the concept this historical person advocated, and here's why they were wrong.' Dan encourages us to cut to the chase, and just see what the evidence indicates. The book is out just in time for holiday gifts for that hard-to-buy-for person on your list. ;)



Speaking of publications and forests, Andreas Wion, PhD student and GDPE Executive Committee rep. has not one, not two, but three (!!) papers in the December 2021 issue (out today) of [Philosophical Transactions of the Royal Society B: Biological Sciences](#). Ian Pearse, GDPE member from USGS in Fort Collins, and Miranda Redmond, Andreas' advisor and GDPE member from the department of Forest and Rangeland Stewardship, are on the papers as well. The issue, co-organized by Ian, focuses on the ecology and evolution of synchronized seed production in plants.

More great news from the last week is that our Senior Ecologist Alan Knapp is [part of a team funded to study agrivoltaics](#) - solar panel "farms" above agricultural fields, including range and grasslands. Solar uses a lot of space, but is a key tool in reducing greenhouse gas emissions. It also provides shade, which in highlight and now often drought-stricken areas, can reduce plant water stress. Meanwhile, transpiration from plants can help cool solar panels, making energy capture more efficient. This seems like it could be a win-win for food and energy production. Alan - Congratulations on the grant, and please keep us posted on your findings!

Keep reading for more important announcements. It's defense season! Please show up or tune in to support our students. I hope you are all enjoying the amazing fall weather and colors.

Best,  
Ruth

## GDPE EVENTS & ANNOUNCEMENTS

**MS Defense Seminar**  
**Hayley Lucci-Rimer**

*Indirect Interactions Between Galling Insects  
as Mediated by a Non-native Plant*

Indirect Interactions Between Galling Insects  
as Mediated by a Non-native Plant

Hayley Lucci-Rimer  
MS Defense Seminar  
October 20<sup>th</sup>, 2021 10am  
Plant Science, Room E009

Advisor: Paul Ode  
Co-Advisor: Meena Balgopal  
Committee: Dan Bean  
Troy Ochletree

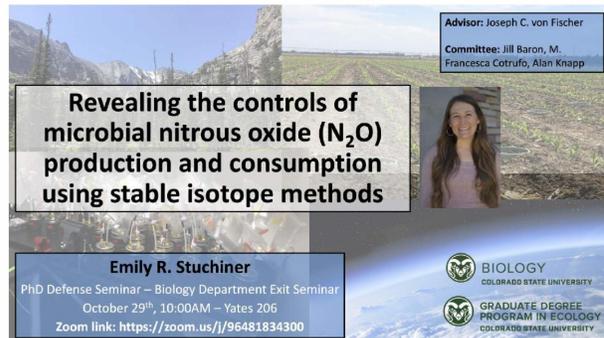



WEDNESDAY, OCTOBER 20, 2021  
10:00 AM  
Plant Science, Room E009

### PhD Defense Seminar Emily R. Stuchiner

*Revealing the controls of microbial nitrous oxide (N<sub>2</sub>O) production and consumption using stable isotope methods*

FRIDAY, OCTOBER 29, 2021  
10:00 AM  
Yates 206  
Zoom [Link](#)



Advisor: Joseph C. von Fischer  
Committee: Jill Baron, M. Francesca Cotrufo, Alan Knapp

Revealing the controls of microbial nitrous oxide (N<sub>2</sub>O) production and consumption using stable isotope methods

Emily R. Stuchiner  
PhD Defense Seminar – Biology Department Exit Seminar  
October 29<sup>th</sup>, 10:00AM – Yates 206  
Zoom link: <https://zoom.us/j/96481834300>



## ECOLOGY & CSU EVENTS

### Social Justice and Human-Carnivore Coexistence: Considering Indigenous Voices and Rights in Wolf Reintroduction and Management

Thursday October 21st from 4:30-7:30 pm - LSC Theater  
More information [here](#)

### Women in Science Network

#### Perspectives and Support in Moving Towards Inclusivity in Science

'Picture a Scientist' Prewatch October 22-24, 2021  
Inclusivity in Science Panel October 26 4:30 – 6:00 pm

Picture a Scientist chronicles the groundswell of researchers who are writing a new chapter for women scientists. Biologist Nancy Hopkins, chemist Raychelle Burks, and geologist Jane Willenbring lead viewers on a journey deep into their own experiences in the sciences, ranging from brutal harassment to years of subtle slights. Along the way, from cramped laboratories to spectacular field stations, we encounter scientific luminaries – including social scientists, neuroscientists, and psychologists – who provide new perspectives on how to make science itself more diverse, equitable, and open to all. [Registration and more information.](#)

### Front Range Student Ecology Symposium (FRSES)

The next Front Range Student Ecology Symposium (FRSES) planning meeting will be Friday, October 22nd at noon (location TBD). We are also looking for speaker suggestions! Do you know an ecologist with particularly interesting or novel research? Have you seen someone present before that you wish you could see present again? You can suggest anyone, near or far, that you think would give an engaging presentation and lead an exciting workshop! If you have a suggestion, please submit it using this form: <https://forms.gle/h2UqnpdyHovrL3UU8>. We will use these suggestions as we start reaching out to possible speakers for this year's symposium!

### Graduate Student Showcase November 8-10

The GradShow is less than a month away on November 8-10. Graduate students representing all eight colleges and interdisciplinary programs will present their scholarship and creative artistry using a new virtual platform created for the GradShow. Learn more about the exciting work going on across campus, engage in professional development offered to the entire graduate community, and support

your peers. **Virtually attend by creating a profile** even if you are not presenting this year. More information [here](#).

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## DEADLINES

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**We pleased to announce opportunities for GTAs and a GSA for the Spring 2022 semester.**

- **GDPE GTA Fellowship for ECOL600** - please refer to the attached call for details about the position and applying. If you have questions about this position, please contact Mendy Smith (including possible scheduling changes). More information [here](#).

- **GDPE LIFE102/103 GTA** (one position) - please complete the attached application to apply for this position. Please contact Jennifer Neuwald with questions about this position. [Application](#)

- **GDPE GSA Science Communications Fellow** - please refer to the attached call for details about the position and applying. Compensation and hours are comparable to a GTA. Please contact Ruth Hufbauer or Dawn Koschnitzki for questions about this position. More information [here](#).

- **All applications are due by Friday, October 22, 2022**

### **Other Deadlines**

*Find all of the deadline details on the CSU Graduate School's website [here](#).*

*Find all of the registration details on the CSU Registrar's website [here](#).*

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## COURSES

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### **Upcoming Courses of Interest**

**Tools for Food-Energy-Water System Analysis (CIVE 527) for Spring 2022.**

9:00 - 10:50 am on Mondays and Wednesdays. The course includes lab time from 9:50 - 10:50.

Course Description: This 3-credit hour course aims to equip students with tools to be used across disciplines that advance capacity to assess complex FEWS issues. Statistical analysis and data mining approaches are included to explore prevailing relationships amongst FEWS under varying conditions. Tools and approaches introduced include statistical analyses, life cycle assessment, triple bottom line analysis, and multi-criteria decision analysis. [Syllabus](#) More information [here](#).

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### **Send us your photos!**

Send us your photos from the field, or just photos of you taking some time to enjoy autumn!

[Submit Photos](#)

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**All paperwork:** Please email forms to Dawn at [ecology@colostate.edu](mailto:ecology@colostate.edu) to coordinate signatures and processing. Thanks!

**We want your feedback!** Do you have comments or suggestions about how your GDPE experience can improve? Let us know! Contact your ExCom Student Representatives, [Katie Rocci](#) and [Dani Lin Hunter](#) to provide your feedback.

**Stay in touch by tagging GDPE** in your posts and photos on Twitter - @CSU\_Ecology and use hashtags #GDPE and #CSU\_Ecology. We'd be happy to help highlight your research!

[General Student Resources](#)  
[COVID Resources for Grad Students](#)

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## GRANTS & JOBS

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### **Post Doc: Plant-Microbe Interactions, Crop Productivity, and Resilience** **Applications accepted beginning October 7**

The postdoc will work on a project funded by the Novo Nordisk Foundation to examine the role of the foliar microbiome in the wheat phenotype. The research addresses ecological and biological mechanisms underlying wheat-microbe interactions using a combination of field sampling and greenhouse experiments in the US and Europe. We are particularly interested in candidates with a strong 'omics background, good bioinformatics skills, and experience with basic culturing methods and plant experiments. This is a collaborative project and the postdoc will also work with Gina Brown-Guedira and Ross Sozzani at NCSU, as well as with collaborators in Denmark and the Netherlands, providing many opportunities for interactions and training. Apply here: <https://jobs.ncsu.edu/postings/150957>

### **Post Doc: Soil Microbial Ecology, Carbon Cycling, and Global Change** **Applications accepted beginning October 13**

The postdoc will work on an NSF-funded project that addresses how soils from different climate histories respond to extreme drought by leveraging a global network of rainfall manipulations. The overarching goal of the project is to improve our understanding of soil respiration responses to moisture and their representation in carbon cycling models. We are particularly interested in candidates with experience in soil biogeochemistry and respiration measurements. This is a collaborative project with Sarah Evans at Michigan State University and Steve Allison at the University of California Irvine, and the successful candidate will have opportunities to interact with students and postdocs across all three labs. Apply here: <https://jobs.ncsu.edu/postings/151224>

### **Peace Corps Strategic Campus Recruiter (CSU)** **Application Due Date: October 18**

The Peace Corps Strategic Campus (Strat) Recruiter will increase awareness of Peace Corps Volunteer opportunities on campus and in the surrounding community through a variety of recruitment activities. More information [here](#).

### **Outreach notice Quant Ecologist RMRS Missoula**

*The formal announcement will appear on USAJOBS as a "Biological Scientist" around October 20, 2021 and be open for 5 days (administrative regulation for this position)*

Position Announcement Wildlife Ecologist with Quantitative Skills

Title: Biological Scientist / Research Ecologist in the USDA Forest Service's Rocky Mountain Research Station - Wildlife and Terrestrial Ecosystems Program. Location: Missoula, MT. More information [here](#).

### **Biology GTA positions for Spring 2022**

**Application Due Date: October 22**

The Department of Biology will be recruiting GTAs for Spring 2022.

Students that have previously been GTAs in the Department of Biology and would like to be appointed again for Spring 2022 need only submit the attached GTA application form. Students that have never been GTAs in the Department of Biology will need to provide additional application materials, as outlined on the attached form. Please note: if students are assigned to teach LIFE102, LIFE 103, BZ105, BZ111, BZ120, BZ310, or BZ311 they are required to attend an organizational lab meeting scheduled during the week before classes begin

[Application Form](#)

### **GSC Professional Development & Supply Grant**

**Application Due Date: October 22**

The Graduate Student Council (GSC) and the Associated Students of CSU (ASCSU) are excited to sponsor quarterly grant applications to support graduate student professional development at CSU. Broadly, the GSC Professional Development and Supply (PDS) grants are intended to help fund graduate students attending professional development opportunities (such as workshops, training, and seminars) as well as to help fund supplies needed to complete research, work efficiently, or teach successfully. More information [here](#).

### **Assistant Professor Ecology - West Virginia University**

**Application Due Date: November 12**

We seek an individual who uses empirical and advanced analytical techniques to link the physiology of trees and/or microbes with ecosystem processes and their subsequent responses to climate change across multiple levels of biological organization ranging from genes to ecosystems. More information [here](#).

### **Early Career Ecology Researcher - US Geological Survey**

**Application Due Date: November 12**

The US Geological Survey (USGS) Fort Collins Science Center is seeking an early career researcher to assist with summarizing and synthesizing science to inform management of western lands. The candidate will be part of an existing collaboration between USGS scientists and Bureau of Land Management (BLM) resource managers that seeks to coproduce science and data products that inform public lands decision-making. More information [here](#).

### **Postdoctoral Position in Ecology at UNH**

**Application Due Date: November 16**

The University of New Hampshire invites your application to the [Postdoctoral Diversity and Innovation Scholars](#) program. This 2 year postdoctoral appointment provides opportunities to hone your scholarship in preparation for the professoriate through mentoring, professional development, development funds, a minimum salary of \$50,000, and benefits. [This flyer](#) describes the range of professional development opportunities (e.g, research mentoring network, in-depth faculty development programs) and the opportunity to apply for a tenure track faculty opening. We have identified **12 postdoctoral openings** across five colleges. More information [here](#).

### **John J. and Katherine C. Ewel Postdoctoral Fellowship in Ecology and Environmental Science in the Tropics and Subtropics**

**Application Due Date: January 9, 2022**

The John J. and Katherine C. Ewel Postdoctoral Fellowship Program in Ecology and Environmental Science in the Tropics and Subtropics will enable a recent doctoral recipient to study tropical or subtropical ecology and environmental sciences at the University of Florida (UF). The Fellow will conduct research for two years with a UF faculty member in any department, in any subdiscipline of ecology or environmental science. The fellowship is intended to advance science and enrich the scope and depth of research credentials of both the Fellow and the faculty mentor. A successful application will be based on a partnership between the applicant and the mentor that builds on the strengths of both. Evidence of joint development of the research proposal is key. More information [here](#).

### **Lab Manager Position in Soil Ecology at the University of Minnesota and Cedar Creek**

**Application Due Date: Open until filled**

We are seeking a lab manager to jointly manage the labs of Professors Peter Kennedy and Sarah Hobbie, and to help coordinate and carry out several related collaborative projects examining fungal effects on soil carbon dynamics as well as the abiotic and biotic factors determining fungal distributions both above- and belowground. More information [here](#).

### **Post-Doctoral Positions in Mangroves Modeling**

**Application Due Date: Open until filled**

The modeling group at IPSL ("Institut Pierre et Simon Laplace", [www.ipsl.fr/](http://www.ipsl.fr/)) invites applications for a 30 months fixed-term post-doctoral position in land surface and ocean modeling, with a focus on mangrove ecosystems. The applicant should have an interest in interdisciplinary research and in blue carbon. More information [here](#).

[Submit Job Announcement](#)



**GRADUATE DEGREE  
PROGRAM IN ECOLOGY**  
COLORADO STATE UNIVERSITY

