



# GDPE Weekly Digest



November 1st, 2021

Hello GDPE Community,

We are well into our semester and hope you are all having a productive fall term! It's never too late to think ahead, however. This week I wanted to highlight the first of our spring 2022 ECOL592 courses. Dr. Philip Cafaro will teach *Overpopulation and Ecological Sustainability*. This seminar will explore the science, ethics and policy implications of overpopulation in relation to global climate change and global biodiversity loss. Check out our [website](#) for more information on what looks to be an intriguing course! There are more Interdisciplinary Seminars coming in so keep checking back for updates.

Also, save the date of November 17 for our upcoming **Distinguished Ecologist Seminar**. The first seminar will feature **Dr. Sally Aitken**, Professor at the University of British Columbia. This will be a virtual event, but we have plans for an exciting viewing party in person for those who are able to join. More details will follow so keep an eye on your email.

Happy planning!  
Dawn

## GDPE EVENTS & ANNOUNCEMENTS

### GDPE is seeking proposals for our ECOL592 seminar series for Spring 2022

Each semester GDPE offers several sections of ECOL 592. The interdisciplinary seminar course is intended to foster discussion and encourage students and faculty to explore current topics in ecology. ECOL 592 seminar courses are intended as special topics that may be broadly or narrowly conceived. Seminars are flexibly organized to address cutting edge issues in ecology. These are a great opportunity for faculty to share their expertise and address topics of interest with our broad GDPE student body. Submit proposals [here](#)

## ECOLOGY & CSU EVENTS

### CM 792 Seminar Series

#### ***Biosphere 2's Radical Experiment in Global Ecology: Ecotechnic insights for the paradigm shift needed to regenerate our world***

Please join us virtually to listen to Dr. Mark Nelson speak on his experiences during Biosphere2, as well as the context leading up to the project and what long-term meaning we as a society can glean from this work! Dr. Nelson will be presenting via Zoom on Tuesday Nov. 2nd from 10 AM to 10:50 AM

Zoom link: <https://zoom.us/j/96724705919?pwd=Zk5ORjRZUVJINU8wQ2lIVVpiZE9xZz09>  
Passcode: 587819  
Meeting ID: 967 2470 5919

## 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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### Deadlines

#### **Students intending to graduate Fall 2021**

**The GS24 Report of Final Examination Form (due first), GS30 Thesis/Dissertation Submission Form, and ETD submissions to ProQuest must be submitted before Friday Nov. 5 at 4:45 p.m. MT.**

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

◆ **ECOL592 001 "Overpopulation and Ecological Sustainability "** (Dr. Philip Cafaro) CRN:18824  
, **Credits: 1** *Please register for 1 credit only.*

#### **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](#).

#### **Plan Ahead! Fall 2022**

##### **ESS 575 - Models for Ecological Data - Dr. Tom Hobbs, Professor Emeritus**

**Lecture: TR 9:30-10:45 Lab: W 1-2:50** Gaining insight about the operation of ecological processes using models and data.

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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](#)  
[CSU COVID Recovery Resources](#)

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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>

**2 year Teaching-Research Post-doctoral Associate Position in Wildlife Ecology**  
**New Mexico State University**

**Applications accepted beginning October 25**

The Department of Fish, Wildlife and Conservation Ecology (FWCE) at New Mexico State University is seeking a Post-doctoral Teaching-Research Associate in the field of Wildlife Ecology. The department has immediate teaching needs for the Spring 2022 semester, and thus (pending final approval of funding), the expected start date is January 10 2022 (an earlier start date may be possible), with an expectation of two years of support for the position. More information [here](#).

**Biologist (Science Communicator) National Park Service**  
**Application Due Date: November 3 or 50 applicants**

Develop and maintain knowledge of past and on-going research and science through a variety of communication types to internal and external audiences. Uses computer software such as adobe creative suite (Photoshop, InDesign, Illustrator, Premier Pro etc.) to design publications, brochures, posters, videos, and podcasts. Develop and maintain written and audio-visual content for the Continental Divide Research Learning Center and RMNP website using CMS (Content Management System). More information [here](#).

**Support scientist position: Data Scientist for Disease Ecology Project**  
**Open period for applications: 10/25/2021-11/4/2021**

Data scientist or quantitative ecologist with knowledge of GIS and statistics to provide data analysis support for a collaborative project on optimizing control strategies of bovine tuberculosis at the deer-cattle interface. The position is located in Fort Collins, CO at the National Wildlife Research Center of USDA-APHIS- Wildlife Services. The position will involve frequent communication with applied scientists at USDA and Michigan State University as well as managers from the natural resource and agriculture state agencies in Michigan. GS9 position. Apply with cover letter, resume, and transcripts to: [kim.m.pepin@usda.gov](mailto:kim.m.pepin@usda.gov).

### **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](#).

### **Postdoc Scientist Turkey Population Modeling and Decision Making: Remote**

**Application Due Date: November 15**

The Pennsylvania Game Commission is initiating long-term research on wild turkey in Pennsylvania to develop a decision model for setting fall harvest regulations, develop an integrated population model to monitor population trends, and investigate ways to improve population monitoring and the decision process. There will be mentoring opportunities as the project will support a PhD and MS student beginning in Fall 2022. The position will be supervised by Dr. Duane Diefenbach (PA Cooperative Fish and Wildlife Research Unit) and Dr. Franny Buderman (Dept. of Ecosystem Science and Management). Target start date is January 2022, but may begin earlier. 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](#).

### **PhD Decision and Demographic Modeling for Wild Turkey - University Park, PA**

**Application Due Date: November 30**

We are seeking a Ph.D. student interested in developing a decision model as part of a large-scale study of wild turkeys in Pennsylvania. The project provides an opportunity to combine field data with computer modeling to inform a decision model for managing wild turkey, to evaluate the effects of hunting decisions on the demography of turkeys, and to evaluate demographics under different ecological conditions. 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](#).

### **The Institute of Global Change Biology (IGCB) Faculty Hiring (2 positions)**

**Application Due Date: Open until filled**

Institute of Global Change Biology (U Michigan) seeks Assistant, Associate or Full Professor in Global Change Biology & Environmental Justice. The Institute of Global Change Biology (IGCB) at the University of Michigan invites applications for a full-time, tenure-track position in global change biology and environmental justice, broadly defined. The candidate's research should focus on the nexus of these two fields. More information [here](#).

**Research Fellow: IGCB Postdoctoral Fellow**

**Application Due Date: October 14, 2022**

The Institute of Global Change Biology (IGCB) at the University of Michigan seeks exceptional applicants to nominate for the IGCB Michigan Postdoctoral Fellows Program. The main responsibilities of the Fellows will be to advance research in global change biology. More information [here](#).

[Submit Job Announcement](#)



GRADUATE DEGREE  
PROGRAM IN ECOLOGY  
COLORADO STATE UNIVERSITY

