GDPE EVENTS

For more ecology and other CSU events, please see Ecology & CSU events section.

POSTPONED: Information on Spring 2020 DE speakers here.

CSU Graduate School Commencement Celebration Video

From your GDPE Admin Team

Faculty Notice: Grades Due 2:00 pm Tuesday, May 19
It is almost time to submit final Spring 2020 grades for students. This includes all ECOL courses such as ECOL 592, and research hours courses your graduate students may be enrolled in such as ECOL 698, 699 and 799. Grades are due no later than 2:00 pm on Tuesday, May 19th. The grade submission link in ARIESweb will close at that time to begin end of term processing. Grades submitted by 2:00 pm will be available for students to view in RAMweb starting Wednesday, May 20th.
Details on submitting grades will be sent to the primary instructor of each course.
Please contact the Office of the Registrar via Live Chat on this website (registrar.colostate.edu) or by email (registraroffice@colostate.edu) if you have any questions regarding grade submission.
~ Your GDPE Admin Team

Previous GDPE Digests are now available on our website! Click on the link to access GDPE Digest Archives

Don’t forget to check out our Resources and Grant/Jobs sections down below for information on other resources and opportunities!

GDPE HIGHLIGHTS:
Spring 2020 Small Research Grant Recipients
This spring, we received twelve proposals and were able to offer funding to ten!

Emily Stuchiner (advisor: Joe von Fischer, BIO) for
Leena Vilonen (advisor: Mendy Smith, BIO) for her
her proposal, “Managing Greenhouse Gases in Agriculture, adding organic C to soils to decrease N2O emissions.”

Andreas Wion (advisor: Miranda Redmond, FRS) for his proposal, “Tree Recruitment on the Trailing Edge: Aridification and Dryland Forest Regeneration.”

Amanda Cicchino (advisor: Chris Funk, BIO) for her proposal, “Uncovering trends in vulnerability to climate change within and among species.”

Dani Lin Hunter (advisor: Meena Balgopal, BIO) for her proposal, “Competing expectations on citizen science project coordinators in conservation organizations.”

Jemma Fadum (advisor: Ed Hall, ESS) for her proposal, “Using metagenomics to gain a mechanistic understanding of nitrogen biogeochemistry in tropical freshwater ecosystems.”

Mary Linabury (advisor: Mendy Smith, BIO) for her proposal, “Measuring resiliency of the grassland microbiome to drought.”

Shabana Hoosein (advisor: Mark Paschke, FRS) for her proposal, “The influence of plant richness on AMF communities using plant-soil feed.”

Melody Zarria-Samanamud (advisor: Randy Boone, ESS) for her proposal, “Analysis of the Impacts of Climate Change on Pastoral Families and Landscape Dynamics in the Cordillera Blanca, Peru.”


We would also like to take this opportunity to thank our faculty and student grant reviewers for their time and commitment to providing thoughtful and critical feedback on the proposals.
Congratulations SoGES Sustainability Fellows in the GDPE Community!

**Shelby McClelland**, Ph.D. Candidate  
Department of Soil and Crop Sciences and Graduate  
Degree Program in Ecology  
Advisor: Meagan Schipanski

**Laura van der Pol**, Ph.D. Student  
Department of Soil and Crop Sciences, Graduate Degree Program in Ecology and Natural Resource Ecology Laboratory  
Advisor: Francesca Cotrufo

**Rebecca Cheeck**, Ph.D. Candidate  
Department of Biology and Graduate Degree Program in Ecology  
Advisor: W. Chris Funk

**Danielle Lin Hunter**, Ph.D. Candidate  
Department of Biology and Graduate Degree Program in Ecology  
Advisor: Meena Balgopal

**Alexander Mauro**, Ph.D. Candidate  
Department of Biology and Graduate Degree Program in Ecology  
Advisor: Cameron Ghalambor

**Kristin Davis**, Ph.D. Student  
Department of Fish, Wildlife, and Conservation Biology and Graduate Degree Program in Ecology  
Advisor: Liba Pejchar

**Nathan Hahn**, Ph.D. Candidate  
Department of Fish, Wildlife, and Conservation Biology and Graduate Degree Program in Ecology  
Advisor: George Wittemyer

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**DEADLINES**

**GDPE Deadlines**

*Please be aware that many professional meetings/workshops are being cancelled. Check with the appropriate society to confirm the current status of the meeting.*

**Other Deadlines**

**Tuesday, May 26 – by 4:30 pm (MT)**  
SUMMER 2020 GRADUATES – Deadline to Apply to Graduate  
Deadline for GS25 Application for Graduation (students applying to graduate for the first time) OR Reapplication for Graduation (students who have applied to graduate for a previous term). Access the form on [RAMweb](#).

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

**General Registration Deadlines**

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

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**GDPE**

**GDPE Course Information**

[Fall 2020 course info will be posted later this semester]

*Proposals for ECOL592 seminars for Fall 2020 can be submitted on-line [here](#).*

◆ **ECOL592 (Interdisciplinary Seminars)** New sections are in the process of being added! Please refer to our [website](#) to find the current offerings once they are available. Here are some topics that have been approved for Fall 2020.

Important Note: *Please register for the correct number of credits indicated for each course.*

◆“**Ecological Impacts of Extreme Climatic Events**” (Dr. Melinda Smith) Section 001, CRN, 69100 Credits: 1

**Upcoming Courses of Interest**

◆ **PPA 540 Toolkit for International Policy Practitioners** The course will first be offered online in SU20 and then both face-to-face and
Degree Deadlines
Student Forms
GDPE Grad Student Survey

Wildlife Disease Science for Application to Risk Assessment and Control Seminar

GDPE Teaching Fellows Program

All paperwork: Please drop all paperwork at the GDPE office (Johnson Hall 102), and Dawn will 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 ExComm Student Representatives, Shelby McClelland and Erika Peirce 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 look forward to seeing you on Twitter throughout the semester!

The GDPE Conference Room - Johnson Hall 132 is available for meetings. Please contact Dawn Koschnitzki if you would like to reserve this space Conference Room Request Form

Submitting Announcements
Student Success: Let us know if you've gotten a paper accepted, won an award, or received a grant by emailing our Science Communication Fellow, Arianna Punzalan.

Information for Digest: Please submit details here for consideration. If you have questions about this, please contact our Program Coordinator, Dawn Koschnitzki.

Submit Photos

ECOLOGY & CSU EVENTS

UPCOMING:

Upcoming Defense Seminars:

Online Seminar for Society for Ecological Restoration Student Club

Upcoming Events:

GRAD Virtual Hour with the Associate Dean – the graduate community is invited to join the sessions Mondays from 2 p.m. – 3 p.m. Find instructions to get started at graduateschool.colostate.edu/virtualhour/

6/1-6/5 Workshop on Scaling Up sponsored by ESA and NEON Fully funded week long workshop for graduate students (MS and PhD) to learn how to manage big data sets and programing with R, hosted at NEON in Boulder, CO from June 1-5, 2020. The deadline to apply is February 28, 2020. More info here

Submit Photos
RESOURCES

**R-user group** Wednesdays 3-5 pm NR 256 Sign up for updates or to contact the group. Questions.

**Coming Out, Being Out, and Questioning** Support Group. Email Jessie Charbonneau for details.

**CSU Writes**: Show up & write. Drop-in writing sessions provide faculty and graduate students a designated time and place to "show up & write."

**CSU Health Network Therapy**: CSUHN has individual and group counseling as well as workshops and are available for students for free.

**Data and Donuts - Data Management Made Tasty**: Good data management practices are becoming increasingly important in the digital age. Learn how you can improve your data management.

**Coding and Cookies - Everything is better with cookies. Especially data**: Sessions are focused on coding in R.

**CSU Writing Center**
Every year the CSU Writing Center works with hundreds of graduate students from across the curriculum. Many of those graduate students have requested that we offer longer consultations for work on dissertations, theses, and professional writing projects. We're happy to announce that hour-long consultations are now available. Whether you’re developing a literature review, working to understand reviewers’ comments, or trying to master a new genre of writing, we can help. Just make an Hour-Long Appointment Request. Questions? Contact us at writing@colostate.edu or 970-391-0222.

**Geospatial Graduate Students Club**: Anyone interested in geospatial applications is welcome. Click here to learn more!

**Society for Ecological Restoration- Rocky Mountains Chapter (SER-RM)**
Visit website. Follow Facebook page or Twitter. Graduate Researchers Across

**Microbiomes (GRAM)**: Would like to invite any graduate students or post-docs with involvement or interest in microbiome research to join our student organization. We will be meeting monthly this fall on the third Tuesday of every month at the Marmot.

**NREL’s EcoAcademy** offers opportunities for students, scientists, environmental professionals, and K-12 teachers to learn from our over 50 years experience as a leader in the field of ecosystem science. From these classes, participants will learn cutting edge techniques from faculty and researchers that have been cited over 74,000 times since 2014. These non-credit courses can provide you with skills and hands on experience to take your research to next level science.

GRANTS / JOBS

**Postdoctoral Fellow UMASS**
The Spatial Ecology Lab at UMass, Amherst seeks a postdoctoral scientist interested in the biogeography and macroecology of invasive

**Postdoctoral Research Scientist**
The project will identify and evaluate potential management strategies towards recovery of the Federally Endangered Shenandoah salamander within Shenandoah National Park. Managers at Shenandoah National Park need validated information to better manage the endangered
invasions and management; and (5) restoration of large-scale environmental changes on species. The successful applicant will design novel, spatial research on invasive species and climate change that addresses stakeholder needs in the Northeast U.S. For example, high priority research topics identified by invasive species managers include identifying native communities vulnerable to invasion and climate change, identifying and prioritizing range-shifting invasive species, and assessing changing efficacy of management practices.

**Research Ecologist**

Plan, conduct, and direct research related to fish, wildlife, or ecological resources, with application to contemporary science, policy and management needs. Conduct research that is cooperator driven and provides scientific basis for management and policy decisions. Serve as subject matter expert in fish and wildlife ecology, providing leadership and guidance to government and private agencies and university representatives through participation in meetings, conferences and work groups. Located in Arkansas. Located in Iowa.

**Research Ecologist**

Ability to build an applied research program focused on the ecology, management, and conservation of fish species; 2) the expertise needed to develop novel quantitative methods for stock assessment modeling and near-term ecological forecasting; 3) expertise needed to develop fish population and ecosystem models that account for complex dynamics resulting from environmental change and other human-caused impacts to freshwater systems; 4) experience designing, planning and conducting field research programs, and analyzing/synthesizing results from field research, and 5) Knowledge of decision science (e.g., structured decision making and/or adaptive management) to support natural resource management. Located in Maine.

**Research Ecologist**

Ability to build an applied research program focused on the ecology, management, and conservation of upland gamebirds, waterfowl, passerine species or other wildlife taxa of conservation interest; 2) experience conducting research on adaptation of wildlife to a changing climate, and impacts of natural and human disturbances on their habitats; 3) expertise in field-based research, and application of modern quantitative analyses and tools such as spatial analysis, capture recapture approaches, or population, community, and habitat dynamics modeling (e.g., knowledge and application of Bayesian inference); and 4) experience designing, planning and conducting field research programs, and analyzing/synthesizing results from field research. Located in Virginia.

**Research Ecologist**

Ability and/or experience to develop a research program on ecological and evolutionary drivers of invasion biology that provides applied solutions for managers and cooperators of the Unit and addresses aspects such as: (1) species, habitat, and ecosystem impacts of invasive species and responses to directed management; (2) mechanisms of invasion; (3) invasion dynamics; (4) understanding the causes and consequences of large-scale environmental changes on species invasions and management; and (5) restoration of large-scale environmental changes on wildlife species. The candidate will be required to (i) understand theoretical underpinnings of sequence alignment algorithms for next

**Assistant, Associate, or Full Professor, University of Nebraska-Lincoln**

The Nebraska Cooperative Fish and Wildlife Research Unit is seeking an Assistant Unit Leader. Cooperative Research Units exist in partnership with the host university, state wildlife agency, U.S. Geological Survey, U.S. Fish and Wildlife Service, and Wildlife Management Institute, and have a three-part mission of (1) applied research, (2) graduate education, and (3) technical assistance. Learn more here.

**Biology Statistician**

Provide analytical support for the first “State of Bats” report and other conservation assessments as directed. Analyze data gathered by other agencies for assessing status and temporal trajectories of bat population using community occupancy models and/or extensions. More information can be found here.

**Science Communication Liaison**

COMPASS and the National Center for Ecological Analysis and Synthesis (NCEAS) are hiring for a joint Science Communication Liaison position! This exciting partnership between COMPASS and NCEAS offers a unique and powerful way to bring relevant science to society. We’d greatly appreciate your help sharing this opportunity widely across your networks and with particular people that you believe would be fabulous in this position. The position will be located at the NCEAS building in Santa Barbara, CA. Info

**Postdoctoral Position**

The University of Birmingham is seeking a postdoctoral researcher with both bioinformatics and field biology experience. Applicants must hold a PhD degree and evidence of bioinformatics experience is critical, ideally at postdoc level. The candidate will be required to (i) understand theoretical underpinnings of sequence alignment algorithms for next
solutions for post-invasion resilience in communities and ecosystems for aquatic and terrestrial systems. Located in Mississippi.

**NABAT Postdoc Position**
The primary objectives for this post-doctoral position are: use ultrasonic recordings from NABAT monitoring data collected across North America to develop species classification algorithms using machine learning approaches; develop and implement generalizable statistical procedures for measuring uncertainty in species classifications; develop tools and metrics for model comparison that can be deployed via cloud infrastructure.

**Research Ecologist**
Plan, conduct, and direct research related to fish, wildlife, or ecological resources, with application to contemporary science, policy and management needs. Conduct research that is cooperator driven and provides scientific basis for management and policy decisions. Serve as subject matter expert in fish and wildlife ecology, providing leadership and guidance to government and private agencies and university representatives through participation in meetings, conferences and work groups. Located in Arkansas.

**Research Ecologist**
Organizing and conducting research on non-native reptiles with an emphasis on brown treesnakes. Writing research reports (including manuscripts for publication in peer-reviewed journals), technical reports, outreach/educational materials, and similar products in collaboration with the Project Leader and/or co-investigators. Providing technical assistance, especially regarding data management. Maintaining communication with clients, the center and the scientific community.

**Quantitative Fishery Position**
Michigan State University has immediate openings in the Quantitative Fisheries Center for PhD students and can accommodate those interested in starting summer or fall 2020. Successful applicant will have background/aptitude/interest in population dynamics, mathematical modeling of fish populations and communities, statistics and application of modeling results to fisheries management, and / or decision making for natural resources management. Learn more here.

**Postdoctoral Researcher**
The postdoctoral researcher will be involved in the framework of the CAPACITY (Climate and Plant hydraulics controls on drought prediction uncertainty in a new-generation Terrestrial system model) project funded by the Luxembourg National Research Fund (FNR). The project will tackle the challenges of investigating the controls of plant hydraulic traits on the drought predictive uncertainties across different ecosystems, regions, and the entire European continent under past and future climatic conditions. More information here.

**Research Wildlife Biologist**
Design and conducts research concerning the conservation of migratory birds and their habitats; develop new information to meet the needs of resource managers. Develop statistical models on temporal and spatial distribution of avian populations relative to ecology, habitat

**Quantitative Ecologists**
Primary service provided by the student/recent graduate is to help develop, run, modify, analyze, and document continental level avian migration models in the study of the potential effects of environmental contaminants on bird populations. In addition, the student/recent graduate shall be expected to assist in literature search, document editing, and preparation of data summaries and reports.

**Neon Postdoctoral Position**
NEON is currently seeking three (3) Postdoctoral Fellows to contribute to its scientific mission through both advancement of science and engagement of the user community. NEON Postdoctoral Fellows will receive funding for a period of two years, contingent on successful performance and available funding.

**Statistical Position at NOROCK**
The Northern Rocky Mountain Science Center of the U. S. Geological Survey conducts research in support of natural resources management with geographic emphasis on the mountains and plains of Montana, Wyoming and Idaho. The duty station for this position is Bozeman, Montana. Info

**Postdoctoral Position - Boston University**
The Department of Earth and Environment at Boston University (BU) invites applications for a postdoctoral scholar to collaborate on an NSFCNH2 project examining the integrated socio-environmental dynamics of deer management in suburban and urban areas of the northeastern United States. The postdoctoral scholar will conduct research on the institutions that shape suburban and urban deer management in the northeastern United States. This is an exciting opportunity for an environmental social scientist to engage in convergent research at the intersections of institutional change and wildlife management.

**Assistant Unit Leader New Mexico**
Research Ecologist/Wildlife Biologist within the New Mexico Cooperative Fish & Wildlife Research Unit looks like if you’ve worked with our feathered game bird friends you might have an edge for this one. Info

**Assistant Professor of Fisheries Ecology at NMSU**
Plan, conduct, and direct research related to fish,
requirements, effects of habitat manipulations, and environmental stressors of waterbirds. Application can be found here.

Fire and Ecosystem Service Extern
The Nature Conservancy seeks a graduate student extern to work on a met-analysis to synthesize existing data examining the role of prescribed fire on multiple ecosystem aspects. The externship will run from mid-May to mid-August 2020 and will provide a $6000 grant to pay the student’s summer salary plus additional fringe benefits. Learn more here.

Life 102/103 Teacher’s Assistant
The Graduate Degree Program in Ecology is seeking two 20-hour Graduate Teaching Assistants (GTA) for LIFE 102 or 103 for Fall Semester 2020. The course assignment will depend on the background and qualifications of the candidate, as well as where help is needed most. Application can be found here.

McPherson Graduate Scholarship
Two McPherson Graduate Scholarships will be available for the academic year of 2020-2021. Each scholarship carries an award of $10,000 (renewable), plus resident tuition. The scholarships are awarded to new applicants to Colorado State University’s Graduate School and cover the first year of graduate study with the opportunity for renewal by applying for renewal in the second year. To be eligible for the scholarship, individuals must have completed their bachelor degrees at Adams State University, preferably, or be current or former residents of the San Luis Valley in Colorado. Recipients of the McPherson Undergraduate Scholarship are eligible as well. Email application to Ludy.avalos@colostate.edu by May 15, 2020 for preferred consideration. Applications will be accepted until May 30, 2020. Application here.

Ecological Statistics
The analytic methods include, but are not limited to, Bayesian occupancy modeling including recent developments for false positives and count detection data; general and generalized linear models and mixed models; multivariate methods; Bayesian methods and design-assisted methods. The nature of the collaborative work requires knowledge and experience in ecology. Info

Post doctoral Position In Global Change and Spatial Modeling at UC Berkeley
A postdoctoral position is available with the Grinnell Resurvey Project under the direction of Professor Steve Beissinger at UC Berkeley in the Museum of Vertebrate Zoology (MVZ). This project is funded by NSF to resample birds and mammals in California at sites originally visited by Joseph Grinnell and colleagues in the early 20th century in order to understand how climate and land-use change have affected species’ turnover during the past century in California. Info

CSU Extension: Summer Help Needed
It is the time of year when CSU Extension is recruiting educators (and supervisors) for ENOR summer day camp and for AmeriCorps STEM programs for disadvantaged youth. STEM AmeriCorps, ENOR Educator, ENOR Supervisor

These online resources have been sent out in other Graduate School correspondence and can be found on the Graduate Student Council webpage. We hope that by copying them here for you that you become aware of these resources and share them with other colleagues and students.

COVID-19 Info and Resources

Graduate School COVID-19 webpage – CSU Mental Health info on anxiety around COVID-19
updates to Covid-19 exceptions to policies and deadlines for graduate students

**Graduate School Virtual Office Hours** – faculty, students, and program coordinators can get their questions answered by virtual chat on Mondays 2-3 and Thursdays 8-9

**Virtual Mentor Monday**

**Support for GTAs Survey**

**Grad School Event Calendar** – check here for future, virtual professional development opportunities

**Virtual CSU Writes**

**COVID-19**

**Silvercloud** – online support for students, postdocs, faculty seeking help with depression, anxiety, stress, resilience, or sleep

**Rams Against Hunger** – Food Insecurity

**You @ CSU** – online support for students, postdocs, faculty to help them maintain productivity, succeed, thrive, and matter. It has goal setting and support options as well as useful articles on issues like procrastination that may be exacerbated by COVID-19.

**CSU Safety: COVID-19 Information** - University wide updates and protocol regarding COVID-19