



July 5, 2023

Happy Wednesday, GDPE - and welcome to July!

We are 1 month out from the 2023 Ecological Society of America conference, and I've seen several of your names on the [program](#) for field trips, talks, and posters. If you'll be attending and/or presenting, feel free to use/add to this [shared excel sheet](#) on the details of your presentations. For those of you who are starting to plan out your schedule, be sure to reserve Wednesday from 6:30-8 PM for the GDPE/SoGES Mixer.

Enjoy the remainder of your week!
Josie Otto
GDPE Sci Comm Fellow



GDPE Event Calendar

GDPE EVENTS & ANNOUNCEMENTS



GDPE Sports League

GDPE sports league events will be held on **Wednesdays @ 5:30pm**. We will try to plan all the activities mentioned in the poll but if anyone is itching to play something specific just let us know

and we can try to set it up.

For more info, contact Kord Dicke (Kord.Dicke@colostate.edu).



The graphic features a background of green leaves and branches. A dark green rounded rectangle in the center contains the text "CALL FOR ECOL 592 SUBMISSIONS" in white, with "FALL 2023" below it. To the left is a QR code with an arrow pointing to it and the text "Scan to access the submission form". To the right is the Colorado State University logo and the text "GRADUATE DEGREE PROGRAM IN ECOLOGY COLORADO STATE UNIVERSITY".

Call for ECOL 592 Submissions

These unique seminars provide cutting edge ecology topics which are changed and updated each semester. We are currently accepting submissions from students and faculty for the Fall 2023 semester. Previous seminars and those scheduled for fall can be found [here](#). Click [here](#) to access the submission form. Submissions are accepted up until the first week of the semester.

ECOLOGY & CSU EVENTS



GCC 2023
17th Graduate Climate Conference
Woods Hole, MA November 2-4

17th Annual Graduate Climate Conference

The GCC is an annual interdisciplinary climate conference **run by graduate students, for graduate students** featuring panel discussions, presentations, workshops, social events, and more. GCC highlights **climate research from a variety of disciplines within the physical, natural, and social sciences and humanities.**

This year, the event will be held at the Marine Biological Laboratory in Woods Hole, Massachusetts on **November 2 - 4th, 2023**. [Click here](#) to learn more about the event and to apply.

4th Annual SyncroSim 2023 User Conference

Save the date for the fourth SyncroSim user conference! SyncroSim 2023 will take place from **September 19-21, 2023** at the Fort Collins Science Center.



The conference is designed for researchers, data scientists, policy makers, and anyone interested in applying cutting-edge simulation modeling techniques to support decisions for complex ecological systems. [SyncroSim](#) is a versatile software platform for developing, running, and analyzing geospatial forecasting models.

Registration is open. Click [here](#) for more details.

FALL 2023 COURSES

Visit our [Curriculum and Courses](#) page to learn more about what courses are offered each semester.

ECOL 592 Course Descriptions are listed on our website [here](#).

Students may submit Course Overrides, Late Registrations, or Course Petitions [here](#).

Course instructors and meeting locations can be found online in RamWeb.

GDPE
FALL 2023 COURSE OPTIONS

REQUIRED - ALL
ECOL 505: FOUNDATIONS OF ECOLOGY

REQUIRED - HEI ONLY
ANTH 530: HUMAN ENVIRONMENT INTERACTIONS

FUNDAMENTALS
ECOL 610: ECOSYSTEM ECOLOGY
BZ 526: EVOLUTIONARY ECOLOGY
BZ 548: THEORY OF POPULATION AND EVOLUTIONARY ECOLOGY
ESS 575: MODELS FOR ECOLOGICAL DATA

REQUIRED - PHD (2 COURSES), MS (1 COURSE)
ECOL 592 OPTIONS:
URBAN ECOLOGY
BIODIVERSITY IN WAR ZONES - CONFLICT, CONSERVATION, RECONCILIATION
MIGRANT ECOLOGY AND CONSERVATION
MULTIVARIATE ANALYSES IN COMMUNITY ECOLOGY

ELECTIVES
(NOT EXTENSIVE)
BZ 560: TEACHING AND COMMUNICATING SCIENCE
JTC 792E: CONSERVATION MARKETING

REQUIRED - ALL
ECOL 505: FOUNDATIONS OF ECOLOGY
LECTURE: T/R 11:00 - 11:50 AM
RECITATION: R 1:00 - 1:50 PM OR 3:00 - 3:50 PM

REQUIRED - HEI ONLY
ANTH 530: HUMAN ENVIRONMENT INTERACTIONS
LECTURE: R 2:00 - 4:50 PM

FUNDAMENTALS
ECOL 610: ECOSYSTEM ECOLOGY
LECTURE: T/R 9:30 - 10:45 AM
BZ 548: THEORY OF POPULATION AND EVOLUTIONARY ECOLOGY
LECTURE: M/W/F 1:00 - 1:50 PM
LAB: R 3:00 - 5:50 PM
BZ/BSPM 526: EVOLUTIONARY ECOLOGY
LECTURE: T/R 9:30 - 10:45 AM
ESS 575: MODELS FOR ECOLOGICAL DATA
LECTURE: T/R 8:00 - 9:15 AM
LAB: W 11:00 - 12:50 PM

REQUIRED - PHD (2 COURSES), MS (1 COURSE)
ECOL 592: URBAN ECOLOGY
LECTURE: T 12:00 - 12:50 PM
ECOL 592: BIODIVERSITY IN WAR ZONES - CONFLICT, CONSERVATION, RECONCILIATION
LECTURE: M 6:00 - 8:00 PM
ECOL 592: MIGRANT ECOLOGY AND CONSERVATION
LECTURE: T 3-4 PM
ECOL 592: MULTIVARIATE ANALYSES IN COMMUNITY ECOLOGY
LECTURE: M 1:15 - 2:30 PM

ELECTIVES
BZ 560: TEACHING AND COMMUNICATING SCIENCE
LECTURE: T/R 9:30 - 10:45 AM
JTC 792E: CONSERVATION MARKETING
LECTURE: T 3:00 - 5:50 PM
F 624: FIRE ECOLOGY
LECTURE: M/W TIME TBD
NR 510: ECOSYSTEM SERVICES - THEORY AND PRACTICE
LECTURE: M 1:00 - 3:30 PM
MIP 570: FUNCTIONAL GENOMICS
LECTURE: M/W 10:00 - 10:50 AM
LAB: F 10:00 - 11:50 AM
AREC 535: APPLIED ECONOMETRICS
LECTURE: T/R 2:00 - 3:15 PM
AREC 635: ECONOMETRIC THEORY
LECTURE: T/R 11:00 - 12:15 PM
ECOL 698: RESEARCH
INDEPENDENT HOURS

THIS LIST IS NOT EXTENSIVE. SEE WEBSITE FOR MORE DETAILS.



Assessment of Spatial Variations in Pesticide, Heavy Metal, and Selenium Residues in Honey Bee (*Apis mellifera* L.) Products

Mai Awad and Randall Boone (GDPE Student and Faculty) found that the heavy metal and selenium residues in some honey and pollen likely pose a severe health risk to honey bees. Although the levels of pesticide residues were below the documented thresholds of risk, they consider the possibility of synergistic chemical impacts. Their findings support future efforts to investigate the health risks associated with multiple-factor combinations.

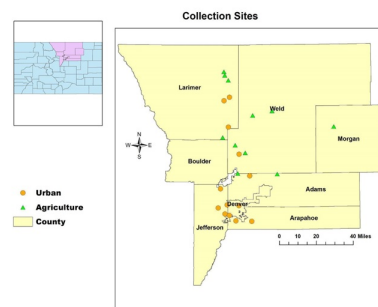


Image provided by Mai Awad

Heidi Hausermann receives NSF Dynamics of Integrated Socio-Environmental Systems (DISES) Award

Congratulations to **Heidi Hausermann** (GDPE/ Anthropology and Geography faculty) for receiving the first NSF DISES award headquartered at CSU. The grant will fund a 5-year project titled, *Investigating mercury biogeochemical cycling via mixed-methods in complex artisanal gold mining landscapes and implications for community health*. Dr. Hausermann will serve as the PI with collaborators at Michigan State, Harvard, University of Iowa, and University of Mines and Technology (Ghana).

Let us know about your recent publications!

We are trying to highlight the great and diverse science that our faculty and students are doing. If you have recently published an article, please fill out the form linked below and our Sci Comm Fellow, [Josie Otto](#), will add you to our new Recent Publications section above. We can also feature your work on our website!

Please note that inclusion of events and publications in the Digest is not an endorsement by GDPE

Share your Recent Publication or Research Highlight

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, [Mel Morado](#) and [Elizabeth Diaz-Clark](#) to provide your feedback.

Stay in touch by tagging GDPE in your posts and photos on Twitter (@CSU_Ecology) and Instagram (@CSU_GDPE). Use hashtags #GDPE and #CSU_Ecology. We'd be happy to help highlight your research!

GDPE Social Listserv - Please make sure to sign up [here](#) for the GDPE Social Listserv to keep up with all the fun events we have planned this year!

GDPE Slack Channel - Join our GPDE Slack channel [here](#).

GPDE Student Teams Channel - Join our Teams Channel [here](#).

Submit Photos

We want your photos! What are you up to, how is your field and lab work? Share them with us here.

JOBS, FELLOWSHIPS, INTERNSHIPS

Postdoc position: Integrated population modelling of African penguins

Deadline July 21, 2023

We have a funded **2-year postdoc position in quantitative ecology** available at SEEC (The Centre for Statistics in Ecology, Environment and Conservation) at the University of Cape Town in South Africa. The postdoc will be responsible for the development of capture-recapture and integrated population models to assess the efficacy of conservation measures for African penguins. The project is in collaboration with SANCCOB (the Southern African Foundation for the Conservation of Coastal Birds) and the University of Exeter. Click [here](#) for more details.

Assistant Professor in Freshwater Ecology

Deadline July 21, 2023

The Department of Ecology, Evolution, and Marine Biology of the University of California Santa Barbara invites applications for a **tenure-track position as Assistant Professor of Freshwater Ecology** with anticipated start date of 1 July 2024. The department is looking for exceptional individuals with expertise in freshwater ecology described broadly as the interaction of organisms with their chemical and physical environment and with other organisms within the system, or who take a more systems-oriented approach to explore the functioning of inland water ecosystems. With a growing departmental focus on Global Change Biology, candidates that address how global change issues (e.g., land use change, climate change, pollution) impact the ecology of freshwater ecosystems are encouraged to apply. Click [here](#) for more details.

Assistant Professor in Coastal/Marine/Inland Water Remote Sensing and Geospatial Analysis

Deadline July 31, 2023

This is a 9 month tenure-accruing position that will be 30% teaching (College of Agricultural and Life Sciences) and 70% research (Florida Agricultural Experiment Station), available in the **School of Forest Fisheries and Geomatics Sciences, Institute of Food and Agricultural Sciences, at the University of Florida**. Research duties include developing a collaborative, internationally recognized and externally funded research program focused on applications of remote sensing, geospatial analytics, and visualization technologies to marine resource management. Click [here](#) for more details.

Smith Fellows 2024 Call for Proposals

Deadline September 15, 2023

The Society for Conservation Biology is pleased to solicit applications for the David H. Smith Conservation Research Fellowship Program. These **two-year postdoctoral fellowships** provide support for outstanding early-career scientists who propose innovative ways to link conservation science and theory with policy and management. The Program supports and encourages Fellows to improve and expand their research skills while directing their efforts towards addressing conservation problems of pressing concern for the United States. Click [here](#) for more details.

Submit a Job Announcement



GRADUATE DEGREE
PROGRAM IN ECOLOGY
COLORADO STATE UNIVERSITY



CSU Graduate Degree Program in Ecology | Colorado State University, Johnson Hall rm 102,
Fort Collins, CO 80523-1021

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