

SCHOOL of FORESTRY

Monthly Newsletter

JANUARY 2021



NAU FORESTRY PROGRAM

The NAU forestry program is a vibrant, diverse and active place of learning and research and a feeling of community. Here are just some of the activities this month of our internationally distinguished faculty and researchers.

NAU SCHOOL OF FORESTRY

The School of Forestry is a gateway to a fulfilling forestry career; it's also an invitation to create sustainable solutions for the natural world and outdoor enjoyment for years to come.



PUBLICATIONS THIS MONTH

Featured Faculty: Matt Bowker, Rich Hofstetter, Karen Haubensak, Yeon-Su Kim, and Kristen Waring

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AWARDS & GRANTS

Faculty and students: Catrin Edgeley and Noah Haarmann

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PRESENTATIONS & OUTREACH

Matt Bowker, Carol Chambers, Pete Fule, Henry Glover, Jand eff Jenness

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For more information visit nau.edu/forestry





PUBLICATIONS: [NAU Authors in Bold, * Undergraduate Student]

Bedoya, C.L., **R.W. Hofstetter**, X.J. Nelson, M. Hayes, D.R. Miller, and E.G. Brockerhoff. 2021. Sound production in bark and ambrosia beetles. *Bioacoustics* 30(1): 58-73.

<https://www.tandfonline.com/doi/abs/10.1080/09524622.2019.1686424>

Uhey, D., K. Haubensak, and R.W. Hofstetter. 2021. Mid-elevational peaks in diversity of ground-dwelling arthropods with high species turnover on the Colorado Plateau. *Environmental Entomology* (18 Jan 2021 <https://doi.org/10.1093/ee/nvaa166>)

<https://academic.oup.com/ee/advance-article-abstract/doi/10.1093/ee/nvaa166/6103804>

Vissa, S., D. N. Soderberg and **R.W. Hofstetter.** 2021. Warming has variable effects on the mite associations of mountain pine beetles in two different populations. *Insects* 12(131), 18 pgs.

<https://www.mdpi.com/2075-4450/12/2/131/htm>

Putraditama, A., Kim, Y.S. and Baral, H., 2021. Where to put community-based forestry?: Reconciling conservation and livelihood in Lampung, Indonesia *Trees, Forests and People*. *Trees, Forests and People*, p.100062 <https://doi.org/10.1016/j.tfp.2021.100062>

Li, S., Xiao, B., **Bowker, M.A.** 2021. Biocrusts enhance non-rainfall water deposition and alter its deposition in dryland soils. *Journal of Hydrology* doi:10.1016/j.jhydrol.2021.12605 <https://www.sciencedirect.com/science/article/pii/S0022169421000974>

Moler, E.R.V., Page, G., Flores-Renteria, L., Garms, C.G., Hull, J.B., **Cooper, H.F., Swenson, J., Perks, S., Waring, K.M.** and **Whipple, A.V.** 2021. A method for experimental warming of developing tree seeds with a common garden demonstration of seedling responses. *Plant Methods*, 17(1), pp.1-12. (<https://rdcu.be/ceVKV>)



NEW GRANTS:

Catrin Edgeley, Noah Haarmann, and Anna Jaramillo-Scarborough Study how BAER teams make decisions about burn scar destabilization during monsoon season in the Southwest Funded by Natural Hazards Center and NOAA

NEW AWARDS:

Pete Fule

Fulbright U.S. Scholar Award to Morocco for forest fire-climate research at Université Abdelmalek Essaâdi, Faculté des Sciences

Daniel Sanchez

PhD candidate with **Carol Chambers**, was selected to be the winner of the Arizona Chapter of The Wildlife Society Roger Hungerford Student Award.



PRESENTATIONS/OUTREACH:

Forestry student **Henry Grover** (PhD 2020) was featured in Earth Notes on KNAU radio ("Fire mosses for ecological restoration"). <https://www.knau.org/post/earth-notes-fire-mosses-restoration>. Grover was an advisee of Associate Professor **Matthew Bowker**, and Regent's Professor **Pete Fule**.

Jeff Jenness presented "Distribution and Status of Colorado River Basin Springs and Springs-Dependent Species in Nevada" to the Nevada Hydrological Society with Larry Stevens and Jeri Ledbetter, of the Springs Stewardship Institute at the Museum of Northern Arizona.

Matthew Bowker, participated as a guest presenter in the Jepson Herbarium (UC Berkeley) workshop entitled: Wonders of a dryland moss: Syntrichia from genomes to ecosystems. The workshop was funded by an NSF Dimensions of Biodiversity grant to 6 partner institutions, including NAU. <https://ucjeps.berkeley.edu/workshops/index.html#Jan30>

Carol Chambers was an Invited Speaker for the Virginia Chapter of The Wildlife Society providing a presentation on The Importance of Diversity <https://sites.google.com/vt.edu/2019vatwsannualmeeting/home>