

Refereed publications 2018

College of Forestry faculty continue to be recognized as active leaders in forestry-related research. During calendar years 2018 and 2019 (the last two years where data is completely available), faculty produced more than 400 refereed publications.

- Abraham, N., Chitrapal, P., Kerio, S, LeBoldus, J. (2018). Multiplex qPCR for detection and quantification of *Sphaerulina musiva* in *Populus* stems. *Plant Pathology*, 67(9), 1874–1882.
- Adlam, C., Miller, J. E.D. (2018). Lichens of the Quail Ridge Reserve, Napa Co., California. *Bulletin of the California Lichen Society*, 25(1).
- Aernouts, J., Gonzalez, C. A., Schimleck, L. R. (2018). Effects of Vegetation Management on Wood Properties and Plant Water Relations of Four Conifer Species in the Pacific Northwest of the USA. *Forests*, 9(6), 323–323.
- Ager, A. A., Barros, Ana M. G., Day, M. A., Preisler, H. K., Spies, T. A., Bolte, J. P. (2018). Analyzing fine-scale spatiotemporal drivers of wildfire in a forest landscape model. *Ecological Modelling*, 384, 87–102.
- Agne, M. C., Beedlow, P., Shaw, D. C., Woodruff, D., Lee, E. H., Cline, S., Comelo, R. (2018). Interactions of predominant insects and diseases with climate change in Douglas-fir forests of western Oregon and Washington. *Forest Ecology and Management*, 409, 317–332.
- Agrawal, A., Hajjar, R. F., Liao, C., Vang Rasmussen, L., Watkins, C. (2018). Forest governance interventions for sustainability through information, incentives, and institutions. *Current Opinion on Environmental Sustainability*, 32, A1–A7.
- Anderson, P. H., Johnsen, K. H., Butnor, J. R., Gonzalez, C. A., Samuelson, L. J. (2018). Predicting longleaf pine tap root decomposition across the southeastern US. *Forest Ecology and Management*, 425, 1–8.
- Babbal, B. J., Olsen, M. J., Che, E., Leshchinsky, B. A., Simpson, C. H., Dafni, J. Evaluation of Uncrewed Aircraft Systems' Lidar Data Quality. *MDPI AG*, 8(12), 532.
- Barros, A. M., Ager, A. A., Day, M. A., Krawchuk, M., Spies, T. A. (2018). Wildfires managed for restoration enhance ecological resilience. *Ecosphere*, 9(3), e02161.
- Barry, A., Hagar, J., Rivers, J. W. (2018). Use of created snags by cavity-nesting birds across 25 years. *Journal of Wildlife Management*, 82, 1376–1384.
- Bassiouni, M., Higgins, C. W., Still, C. J., Good, S. (2018). Probabilistic inference of ecohydrological parameters using observations from point to satellite scales. *Hydrology and Earth Systems Science*, 22, 3229 – 3243. 675
- Bastin, J.-F., Rutishauser, E., Kellner, J. R., Saatchi, S., Pelissier, R., Herault, B., Slik, F., Bogaert, J., De Canniere, Charles, Marshall, A. R., Poulsen, J., Alvarez-Loyayza, P., Andrade, A., Angbonga-Basia, A., Araujo-Murakami, A., Arroyo, L., Ayyappan, N., de Azevedo, Celso Paulo, Banki, O., Barbier, N., Barroso, J. G., Bееckman, H., Bitariho, R., Boeckx, P., Boehning-Gaese, K., Brandao, H., Brearley, F. Q., Hockemba, Mireille Breuer Ndoundou, Brienen, R., Camargo, Jose Luis C., Campos-Arceiz, A., Cassart, B., Chave, J., Chazdon, R., Chuyong, G., Clark, D. B., Clark, C. J., Condit, R., Honorio Coronado, Euridice N., Davidar, P., de Haulleville, Thales, Descroix, L., Doucet, J.-L., Dourdain, A., Droissart, V., Duncan, T., Espejo, J. S., Espinosa, S., Farwig, N., Fayolle, A., Feldpausch, T. R., Ferraz, A., Fletcher, C., Gajapersad, K., Gillet, J.-F., do Amaral, Ieda Leao, Gonmadje, C., Grogan, J., Harris, D., Herzog, S. K., Homeier, J., Hubau, W., Hubbell, S. P., Hufkens, K., Hurtado, J., Kamdem, N. G., Kearsley, E., Kenfack, D., Kessler, M., Labriere, N., Laumonier, Y., Laurance, S., Laurance, W. F., Lewis, S. L., Libalah, M. B., Ligot, G., Lloyd, J., Lovejoy, T. E., Malhi, Y., Marimon, B. S., Marimon Junior, Ben Hur, Martin, E. H., Matius, P., Meyer, V., Bautista, C. M., Monteagudo-Mendoza, A., Mtui, A., Neill, D., Gutierrez, Germaine Alexander Parada, Pardo, G., Parren, M., Parthasarathy, N., Phillips, O. L., Pitman, Nigel C. A., Ploton, P., Ponette, Q., Ramesh, B. R., Razafimahaimodison, J.-C., Rejou-Mechain, M., Rolim, S. G., Romero Salto, Hugo, Brum Rossi, Luiz Marcelo, Spironello, W. R., Rovero, F., Saner, P., Sasaki, D., Schulze, M., Silveira, M., Singh, J., Sist, P., Sonke, B., Soto, J. D., de Souza, Cintia Rodrigues, Stropp, J., Sullivan, Martin J. P., Swanepoel, B., ter Steege, Hans, Terborgh, J., Texier, N., Toma, T., Valencia, R., Valenzuela, L., Ferreira, L. V., Cornejo Valverde, Fernando, Van Andel, Tinde R., Vasque, R., Verbeeck, H., Vivek, P., Vleminckx, J., Vos, V. A., Wagner, F. H., Puspa, P. W., Wortel, V., Zagt, R. J., Zebaze, D. (2018). Pan-tropical prediction of forest structure from the largest trees. *Global Ecology and Biogeography*, 27(11), 1366–1383.
- Batavia, C., Bruskotter, J., Jones, J., Vucetich, J., Gosnell, H., Nelson, M. P. (2018). Nature for whom? How type of beneficiary influences the effectiveness of conservation outreach messages. *Biological Conservation*, 228, 158–66.
- Batavia, C., Bruskotter, J., Nelson, M. P. (2020). Pathways from environmental ethics to pro-environmental behaviors: insights from psychology. *Environmental Values*, 29(3), 317–37.
- Batavia, C., Nelson, M. P. (2018). Ethical and Scientific Foundations for the Lethal Management of Double-crested Cormorants (*Phalacrocorax auritus*): an Argument Analysis. *Waterbirds*



- Batavia, C., Nelson, M. P. (2018). Translating climate change policy into forest management practice in a multiple-use context: the role of ethics. *Climate Change*
- Batavia, C., Nelson, M. P., Darimont, C. T., Paquet, P. C., Ripple, W. J., Wallach, A. D. (2018). The elephant (head) in the room: A critical look at trophy hunting. *Conservation Letters*, e12565.
- Bateman, D., Gresswell, R., Warren, D., Hockmanwert, D., Leer, D., Light, J., Stednick, J. (2018). Fish response to contemporary timber harvest practices in a second-growth forest from the central coast range of Oregon. *Forest Ecology and Management*
- Benjamin, H. T.N., Jane, S. E., Luoma, D. L., Hatten, J. A. (2018). Recovery of ectomycorrhizal fungus communities fifteen years after fuels reduction treatments in ponderosa pine forests of the Blue Mountains, Oregon. *Forest Ecology and Management*, 422, 11-22.
- Berry, M., Sessions, J. (2018). A Forest-to-Product Biomass Supply Chain in the Pacific Northwest, USA: A multi-product approach. *Applied Engineering in Agriculture*, 34, 109-124.
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- Beschta, R. L., Painter, L. E., Ripple, W. J. (2018). Trophic cascades at multiple spatial scales shape recovery of young aspen in Yellowstone. *Forest Ecology and Management*, 413, 62-69.
- Betts, M. G., Hutchinson, R. A., Valente, J. (2018). Distinguishing distribution dynamics from temporary emigration using dynamic occupancy models. *Methods in Ecology and Evolution*, 8(12), 1707-1706.
- Betts, M. G., Phalan, B., Frey, S., Rousseau, J., Yang, Z. (2018). Old growth forests buffer bird populations from climate warming. *Diversity and Distributions*, 24(4), 439-447.
- Bladon, K. D. (2018). Rethinking wildfire and forest watershed management. *Science*, 359(6379), 1001-1002.
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- Bracho, R., Vogel, J., Will, R. E., Noormets, A., Samuelson, L. J., Jokela, E. J., Gonzalez, C. A., Gezan, S. A., Markewitz, D., Seiler, J. R., Strahm, B. D., Teskey, R. O., Fox, T. R., Kane, M. B., Laviner, M. A., McElligot, K. M., Yang, J., Lin, W., Meek, C. R., Cucinella, J., Akers, M. K., Martin, T. A. (2018). Carbon sequestration in loblolly pine plantations is increased by fertilization across a soil moisture availability gradient. *Forest Ecology and Management*, 424, 39-52.
- Brancalion, Pedro H. S., de Almeida, Danilo R. A., Vidal, E., Molin, P. G., Sontag, V. E., Souza, Saulo E. X. F., Schulze, M. (2018). Fake legal logging in the Brazilian Amazon. *Science Advances*, 4(8).
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- Burnett, J. D., Wing, M. G. (2018). A low-cost near-infrared digital camera for fire detection and monitoring. *International Journal of Remote Sensing*, 39(3), 741-753.
- Bywater-Reyes, S., Bladon, K. D., Segura, C. (2018). Relative influence of landscape variables and discharge on suspended sediment yields in temperate mountain catchments. *Water Resources Research*, 54(7), 5126-5142.
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- Ching, D. J., Kamke, F., Bay, B. K. (2018). Methodology for comparing wood adhesive bondline load transfer using digital volume correlation. *Wood Science and Technology*, 52(6), 1569-1587.
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- Davis, E. J., Lee, C., Donald, U., Meagan, N. (2018). Making and Breaking Trust in Forest Collaborative Groups. *Humboldt Journal of Social Relations Special Issue: The American West After the Timber Wars*, 1(40), 211-231.
- Dellinger, J. A., Shores, C. R., Craig, A., Heithaus, M. R., Ripple, W. J., Wirsing, A. J. (2018). Habitat use of sympatric prey suggests divergent anti-predator responses to recolonizing gray wolves. *Oecologia*, 1-14.
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- Elorriaga, E., Klocko, A. L., Ma, C., Strauss, S. H. (2018). Variation in Mutation Spectra Among CRISPR/Cas9 Mutagenized Poplars. *Frontiers in Plant Science*, 9.
- Emery, N. C., D'Antonio, C. M., Still, C. J. (2018). Fog and live fuel moisture in coastal California shrublands. *Ecosphere*, 9(4).
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- Gonzalez, C. A., Flamenco, H. N., Wightman, M. G. (2018). Effect of Vegetation Management and Site Conditions on Volume, Biomass and Leaf Area Allometry of Four Coniferous Species in the Pacific Northwest United States. *Forests*, 9(581).
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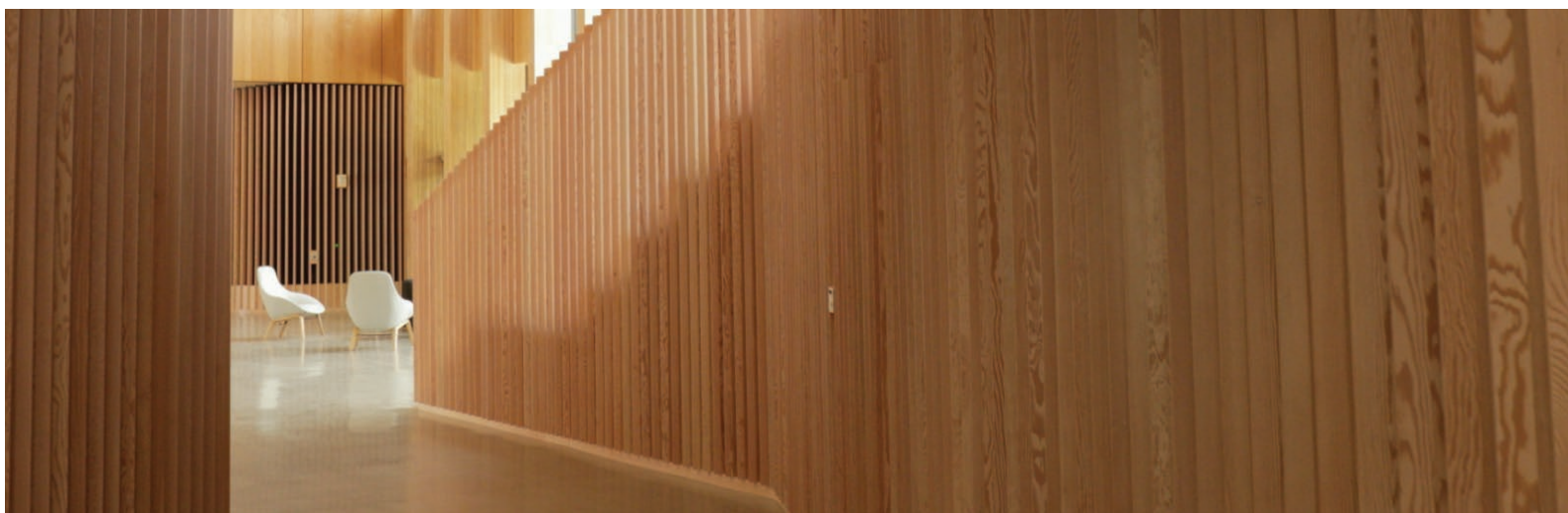
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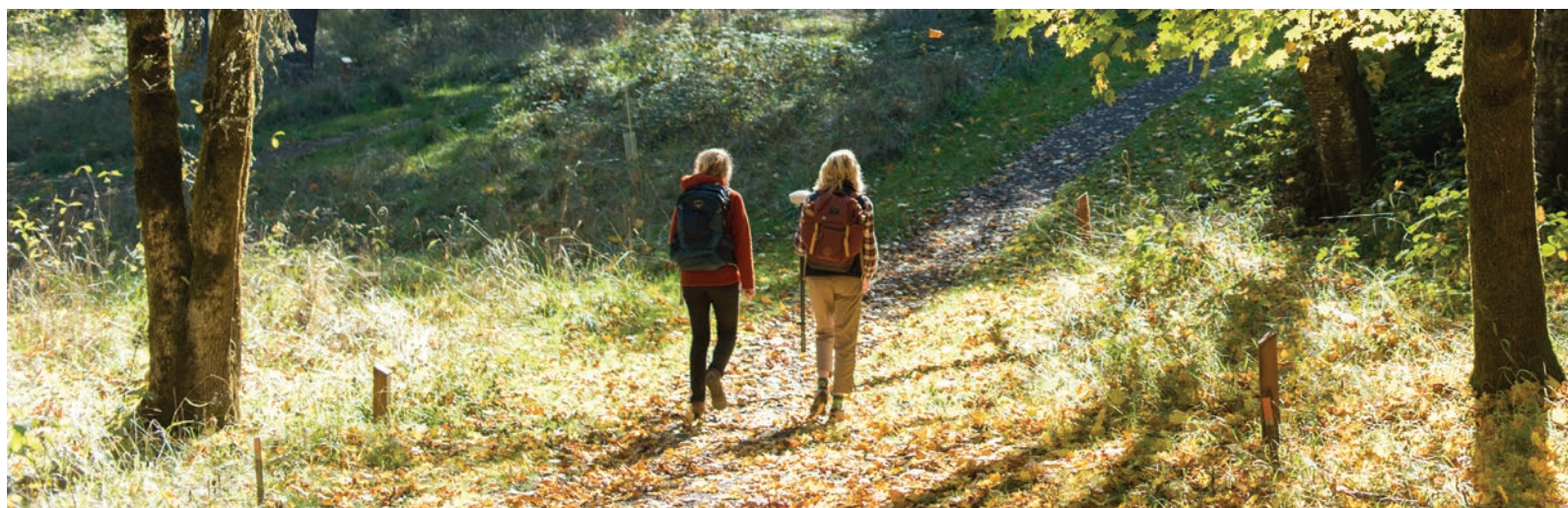
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