

James D. Johnston

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Mobile: 541.554.1151

CURRENT POSITION

2016 to present. Research Associate, College of Forestry, Oregon State University, Corvallis, OR

EDUCATION

May 2016. Doctor of Philosophy, Forest Science, Oregon State University, Corvallis, OR; Dissertation: Forest successional and disturbance dynamics in the southern Blue Mountains of Oregon; advised by K. Norman Johnson

October 2008. Master of Science, Forest Resources, Oregon State University Oregon State University, Corvallis, OR; Thesis: Nonequilibrium ecosystem dynamics: management implications for state forests of Oregon; advised by G.L. Achterman and K. Norman Johnson

June 1996. Bachelor of Arts, History, University of Oregon, Eugene, OR; Thesis: Forging the super-power economy: State-building in the USSR 1922-1936; advised by R.A. Kimball.

REFEREED PUBLICATIONS

M.J. Reilly, J. Halofsky, C. Raymond, A. McEvoy, A. Dye, A. Zuspan, D. Donato, J. Kim, B. Potter, N. Walker, R. Davis, C. Dunn, **J.D. Johnston**, B. Harvey, D. Bell, M. Gregory, J. Halofsky, B. Kerns. In review. Cascadia Burning: Ecological and social perspectives for the historic, but not historically unprecedented, 2020 wildfires in westside forest of the Pacific Northwest. *Ecosphere*.

Johnston, J.D., and A.A. Lindsay. In review. Identifying older grand fir in eastern Oregon. *Journal of Forestry*.

Johnston, J.D., J.H. Olszewski, B.A. Miller, M.R. Schmidt, M.J. Vernon, and L.M. Ellsworth. In revision. Mechanical thinning without prescribed fire moderates wildfire behavior in an eastern Oregon, USA ponderosa pine forest. *Forest Ecology and Management*.

Hogland, J., C.J. Dunn, and **J.D. Johnston**. In revision. Planning fire resilient forests using field plots, remotely sensed imagery, supply chains, the potential operational defense framework, and function modeling. *Forests*.

- Hagmann, R.K., P.F. Hessburg, S.J. Prichard, N.A. Povak, P. Brown, P. Fulé, R.E. Keane, E. Knapp, M. Krawchuk, J. Lyderson, K. Metlen, M. Reilly, A. Sánchez-Meador, S. Stephens, J. Stevens, A. Taylor, L. Yocom, M.A. Battaglia, D.J. Churchill, D.A. Falk, **J. Johnston**, C. Levine, G. Meigs, A. Merschel, C. Naficy, M. North, H. Safford, A. Waltz. In press. Evidence for widespread changes in the structure, composition, and fire regimes of western North American forests. *Ecological Applications*.
- Johnston, J.D.**, J.A. Kilbride, G.W. Meigs, R.E. Kennedy, and C.J. Dunn. 2021. Does conserving roadless wildland increase wildfire activity in western U.S. national forests?. *Environmental Research Letters* <https://doi.org/10.1088/1748-9326/ac13ee>.
- Johnston, J.D.**, S.M. Greenler, M.J. Reilly, M.R. Webb, A.G. Merschel, K.N. Johnson, and J.F. Franklin. 2021. Conservation of dry forest old growth in eastern Oregon. *Journal of Forestry* 1:13.
- Johnston, J.D.**, R.K. Hagmann, A.G. Merschel, S.T. Seager, J.F. Franklin, and K.N. Johnston. 2021. General Commentary: Large Trees Dominate Carbon Storage in Forests East of the Cascade Crest in the United States Pacific Northwest. *Frontiers in Forests and Global Change* 4:653774
- Johnston, J.D.**, S.M. Greenler, B.A. Miller, M.J. Reilly, A.A. Lindsay, and C.J. Dunn. 2021. Diameter limits impede restoration of historical conditions in dry mixed-conifer forests of eastern Oregon, USA. *Ecosphere* 12(2):e03394.10.1002/ecs2.3394
- Lindsay, A.A., and **J.D. Johnston**. 2020. Using historical reconstructions of moist mixed conifer forests to inform forest management on the Malheur National Forest. In: Pile, Lauren S.; Deal, Robert L.; Dey, Daniel C.; Gwaze, David; Kabrick, John M.; Palik, Brian; Schuler, Thomas M., comps. *The 2019 National Silviculture Workshop: a focus on forest management-research partnerships*. Gen. Tech. Rep. NRS-P-193. Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station: 23-33. <https://doi.org/10.2737/NRS-GTR-P-193-paper4>.
- Downing, W.M., **J.D. Johnston**, M.A. Krawchuk, A.G. Merschel, and J.H. Rausch. 2020. Disjunct and decoupled? The persistence of a fire sensitive conifer species in a historically frequent fire landscape. *Journal for Nature Conservation*.
- Shabir, A.H., J. Zhang, **J.D. Johnston**, S.A. Sarkodie, J.A. Lutz., and X. Liu 2020. Predicting the influence of climate on grassland area burned in Xilingol, China with dynamic simulations of autoregressive distributed lag models. *PLOS ONE* 15(4),e0229894.
- Harley, G.L., E.K. Heyerdahl, **J.D. Johnston**, and D.L. Olson. 2020. Riparian and adjacent upland forests burned synchronously during dry years in eastern Oregon (1650-1900 CE), USA. *International Journal of Wildland Fire*.
- Kroll, A.J., **J.D. Johnston**, T.D. Stokely, and G.W. Meigs. 2020. From the ground up: managing young forests for a range of ecosystem outcomes. *Forest Ecology and Management* 464:118055.

- Dunn, C.J., C.D. O'Connor, J. Abrams, M.P. Thompson, D.E. Calkin, **J.D. Johnston**, R. Stratton, and J. Gilbertson-Day. 2020. Wildfire risk science facilitates adaptation of fire prone social-ecological systems to the new fire reality. *Environmental Research Letters* 15(2):025001.
- Dunn, C.J., **J.D. Johnston**, M.J. Reilly, R.A. Miller, and J.D. Bailey. 2020. How does tree regeneration respond to mixed-severity fire in the western Oregon Cascades, USA? *Ecosphere* 11:(1)e03003. 10.1002/ecs2.3003.
- Shabbir, A.H., J. Zhang, X. Liu, J.A. Lutz, C. Valencia, and **J.D. Johnston**. 2019. Determining the sensitivity of grassland area burned to climate variation in Xilingol, China with an autoregressive distributed lag approach. *International Journal of Wildland Fire* 28(8). <https://doi.org/10.1071/WF18171>.
- Johnston, J.D.**, C.J. Dunn, and M.J. Vernon. 2019. Tree traits influence response to fire severity in the western Oregon Cascades. *Forest Ecology and Management* 433:690-698.
- Johnston, J.D.**, C.J. Dunn, M.J. Vernon, J.D. Bailey, B.A. Morrisette, and K. Morici. 2018. Restoring historical forest conditions in a diverse inland Pacific Northwest landscape. *Ecosphere* 9(8).
- Johnston, J.D.**, J.D. Bailey, C.J. Dunn, and A.A. Lindsay. 2017. Historical fire-climate relationships in contrasting interior Pacific Northwest forest types. *Fire Ecology* 13(2).
- Johnston, J.D.** 2017. Forest succession along a productivity gradient following fire exclusion. *Forest Ecology and Management* 392:45-57.
- Johnston, J.D.**, J.D. Bailey, and C.J. Dunn. 2016. Influence of fire disturbance and biophysical heterogeneity on pre-settlement ponderosa pine and mixed conifer forests. *Ecosphere* 7(11).

BOOKS AND BOOK CHAPTERS

- Johnston, J.D.** In press. *The Salvage Rider: Logging without laws, protest without limits.* In K.N. Johnson and J.F. Franklin, *The Northwest Forest Plan*. Oregon State University Press, Corvallis, OR.
- Reilly, M.J., J.E. Halofsky, M. Krawchuk, D. Donato, J. Halofsky, A. Merschel, **J. Johnston**, M. Swanson, T.A. Spies. In press. *Fire ecology and management in forests of the Pacific Northwest*. In: Eds. B.S. Collins and C.H. Greenberg, *Fire Ecology and Management: Past, Present, and Future of US Forested Ecosystems*. Springer Nature.
- Franklin, J.F., K.N. Johnson, D. J. Churchill, K. Hagmann, D. Johnson, and **J.D. Johnston**. 2013. *Restoration of dry forests in eastern Oregon: a field guide*. The Nature Conservancy, Portland, OR.

Romano, C. and **J.D. Johnston**. 2007. Columbia Highlands: Exploring Washington's Last Frontier. Mountaineers Book, Seattle, WA.

SELECTED GRANTS

April 2021. Collaborative Forest Landscape Restoration Program, Southern Blues Forest Vegetation and Fuels Project — \$139,000 (PI: **J.D. Johnston**; co-PIs: M.A. Krawchuk, Oregon State University, and J. Rausch, Malheur National Forest).

March 2021. National Council for Air and Stream Improvement, 2020 westside fire synthesis and quantitative wildfire risk assessment and mitigation framework— \$20,076 (PI: **J.D. Johnston**; co-PI: C.J. Dunn, Oregon State University).

June 2020. Collaborative Forest Landscape Restoration Program, Southern Blues Forest Vegetation and Fuels Project — \$145,000 (PI: **J.D. Johnston**; co-PIs: B.A. Miller, University of Victoria and J. Rausch, Malheur National Forest).

June 2020. Historical Role of Fire in Westside Forest of the Pacific Northwest — \$150,000 (PI: **J.D. Johnston**; co-PI: Matthew Reilly, USDA Forest Service).

March 2020. Oregon Department of Fish and Wildlife Federal Aid in Wildlife Restoration Grant — \$56,937 (PI: **J.D. Johnston**).

February 2020. Oregon Department of Forestry Federal Forest Restoration Technical and Science Support — \$67,951 (PI: **J.D. Johnston**; co-PI: S. Altemus-Pope, Southern Willamette Forest Collaborative).

February 2020. Oregon Department of Forestry Federal Forest Restoration Technical and Science Support — \$30,000 (PI: **J.D. Johnston**; co-PI: B. Cate, Harney County Restoration Collaborative).

May 2019. Collaborative Forest Landscape Restoration Program, Southern Blues Forest Vegetation and Fuels Project — \$124,982 (PI: **J.D. Johnston**; co-PIs: B.A. Miller, University of Victoria and J. Rausch, Malheur National Forest).

October 2018. Accelerated Restoration Science Delivery, Blue Mountains Forest Partners (Phase II) —\$27,127 (PI: **J.D. Johnston**; co-PI: A.A. Lindsay, Malheur National Forest).

June 2018. Oregon Department of Forestry Federal Forest Restoration Technical and Science Support — \$66,999 (PI: **J.D. Johnston**; co-PI: A.G. Merschel, Oregon State University).

May 2018. Collaborative Forest Landscape Restoration Program, Southern Blues Forest Vegetation and Fuels Project — \$125,211 (PI: **J.D. Johnston**; co-PIs: B.A. Miller, University of Victoria and J. Rausch, Malheur National Forest).

August 2017. Accelerated Restoration Science Delivery, Blue Mountains Forest Partners (Phase I) —\$72,265 (PI: **J.D. Johnston**; co-PI: A.A. Lindsay, Malheur National Forest).

April 2017. Collaborative Forest Landscape Restoration Program, Southern Blues Forest Vegetation and Fuels Project — \$124,483 (PI: **J.D. Johnston**; co-PIs: B.A. Miller, University of Victoria and J. Rausch, Malheur National Forest).

June 2016. Northeast Oregon Forests Resource Advisory Committee, Old Tree Conservation Program — \$102,356 (PI: **J.D. Johnston**; co-PI: M.J. Vernon, Humboldt State University).

March 2016. Collaborative Forest Landscape Restoration Program, Southern Blues Forest Vegetation and Fuels Project — \$68,211 (PI: **J.D. Johnston**; co-PIs: B.A. Miller, University of Victoria and J. Rausch, Malheur National Forest).

March 2015. Collaborative Forest Landscape Restoration Program, Southern Blues Forest Vegetation and Fuels project — \$89,938 (PI: **J.D. Johnston**; co-PI: J. Rausch, Malheur National Forest).

March 2015. Oregon State University Research Reserve Equipment Fund, Dendrochronology Lab Equipment — \$15,600 (PI: **J.D. Johnston**; co-PIs: J.H.S.J. Zald, and A.G. Merschel, Oregon State University).

TEACHING AND COURSE DEVELOPMENT

Winter 2021. Forest Law Seminar (FOR 599), Oregon State University, Corvallis, OR

Winter 2019. Forest Policy (FOR 460), Oregon State University, Corvallis, OR

Winter 2019. Topics in Wildland Fire (FOR 346), Oregon State University, Corvallis, OR

Winter 2018. Forest Policy (FOR 460) (with G. Huntington), Oregon State University, Corvallis, OR

Spring 2017. Topics in Wildland Fire (FOR 346), Oregon State University, Corvallis, OR

Spring 2014. Fire Ecology and Effects (FOR 209), Central Oregon Community College, Bend, OR

Winter 2013. Forest Policy (FOR 460) (with K. Johnson), Oregon State University, Corvallis, OR

Spring 2013. Managing for Ecosystem Services (FOR 599), Oregon State University, Corvallis, OR

Spring 2013. Conflict Resolution and Collaboration (FOR 360) (with K. Johnson), Oregon State University, Corvallis, OR

Spring 2012. Forest Policy Analysis (FOR 561) (with K. Johnson), Oregon State University, Corvallis, OR

Spring 2012. Conflict Resolution and Collaboration (FOR 360) (with K. Johnson), Oregon State University, Corvallis, OR

Winter 2012. Forest Policy (FOR 460) (with K. Johnson), Oregon State University, Corvallis, OR

Spring 2011. Managing Ecosystem Services in the McKenzie Watershed (GEO 599) (with H. Gosnell), Oregon State University, Corvallis, OR

Spring 2011. Ecosystem Services from Private Forestlands (FOR 599), Oregon State University, Corvallis, OR

Winter 2011. Forest Policy (FOR 460) (with K. Johnson), Oregon State University, Corvallis, OR

SELECTED INVITED ACADEMIC PRESENTATIONS

March 25, 2021. **J.D. Johnston**. Historical fires and future implications: 2020 fires in context. Oregon Chapter of the Wildlife Society (remote).

February 6, 2020. Kroll, A.J., **J.D. Johnston**, T.D. Stokely, and G.W. Meigs. From the ground up: managing young forests for a range of ecosystem outcomes. Oregon Chapter of the Wildlife Society, Eugene, OR.

November 20, 2019. **Johnston, J.D.** (plenary speaker). A Westside story: New fire histories from super-productive western Oregon Douglas-fir forests. 8th International Fire Ecology and Management Congress, Tucson, AZ.

November 20, 2019. **Johnston, J.D.** Is Forest Service roadless management creating divergent fire regimes? 8th International Fire Ecology and Management Congress, Tucson, AZ.

October 17, 2019. **Johnston, J.D.** Monitoring implementation of restoration treatments across the Malheur National Forest. Southern Blues Science and Monitoring Workshop, John Day, OR

October 17, 2019. Downing, W.M., **J.D. Johnston**, M.A. Krawchuk, A.G. Merschel, and J. Rausch. Regeneration following fire in the Blue Mountains. Southern Blues Science and Monitoring Workshop, John Day, OR

May 23, 2019. Lindsay, A. and **J.D. Johnston**. Using historical reconstructions of moist mixed conifer forests to inform forest management on the Malheur National Forest. National Silviculture Workshop, Bemidji, MN.

May 1, 2019. Bailey, J. D. and **J.D. Johnston**. Quantifying resiliency in dry forests of the American West. International Fire Behavior and Fuels Conference, Albuquerque, NM.

April 17, 2019. **Johnston, J.D.** Wildfire effects: past, present, and future. Oregon Society of American Foresters Annual Meeting, Lebanon, OR.

October 6, 2018. **Johnston, J.D.** Historical Fire Regimes of Oregon, Society of American Foresters National Convention, Portland, OR.

October 5, 2018. **Johnston, J.D.** Collaborative Federal Forest Restoration in Eastern Oregon, Society of American Foresters National Convention, Portland, OR.

May 22, 2018. **Johnston, J.D.** Historical fire disturbance regimes and implications for forest restoration. Association for Fire Ecology and International Association of Wildland Fire, The Fire Continuum Conference. Missoula, MT.

March 1, 2018. **Johnston, J.D.** Collaborative forest restoration in the Blue Mountains. Forest Health in Oregon: State of the State. Oregon State University. Corvallis, OR.

August 8, 2017. Miller, B.A. and **J.D. Johnston**. A collaborative approach to restoration: Fuel reduction in dry mixed conifer forests of Eastern Oregon, Ecological Society of America, Portland, OR.

April 8, 2016. **Johnston, J.D.** and B. A. Miller. South Blues CFLRP Forest Vegetation and Fuels Monitoring, Society for Ecological Restoration, Portland, OR.

March 25, 2016. **Johnston, J.D.** Successional accretion along a productivity gradient, Southern Blue Mountains. Northwest Science Association, Bend, OR.

July 8, 2015. **Johnston, J.D.** Successional and disturbance dynamics in mixed conifer forests of the southern Blue Mountains. International Association for Landscape Ecology, Portland, OR.

April 30, 2015. **Johnston, J.D.** Paleoecological perspectives on dry forest restoration. Oregon Chapter of the Wildlife Society and Oregon Society of American Foresters, 2015 Joint Annual Meeting, Eugene, OR.

SELECTED COMMUNITY PRESENTATIONS

July 6, 2021. B. Johnson, **J.D. Johnston**, and M. Juillerat. Restoring Ancient Grasslands of the Upper Willamette, Sustainable Northwest, Forest Collaboratives Workshops Series, Portland, OR (remote).

May 21, 2021. **J.D. Johnston**. The future of large fire on the Willamette National Forest, Southern Willamette Forest Collaborative, Community Wildfire Night, Oakridge, OR.

May 17, 2021. **J.D. Johnston**. Monitoring and Adaptive Management in the Southern Blue Mountains, Sustainable Northwest, Forest Collaboratives Workshops Series, Portland, OR (remote).

April 28, 2021. **J.D. Johnston.** Fire risk in the western Cascades: Past, Present, and Future. National Council for Air and Stream Improvement, spring meeting of the Western Sustainable Forestry Task Group, Seattle, WA (remote).

April 19, 2021. **J.D. Johnston.** Historical fires in the Rigdon landscape. Southern Willamette Forest Collaborative, Oakridge, OR (remote).

April 14, 2021. **J.D. Johnston.** Historical Openings on the Malheur National Forest. Harney County Restoration Collaborative, Burns, OR (remote).

March 18, 2021. **J.D. Johnston.** Identifying old grand fir in eastern Oregon. Blue Mountains Forest Partners, John Day, OR (remote).

December 15, 2020. C.J. Dunn and **J.D. Johnston.** Sustainable Wood Story: Wildfire and Fire Ecology. Sustainable Northwest Wood, Portland, OR (remote).

November 10, 2020. **J.D. Johnston.** Blue Mountains Forest Partners Multi-Party Monitoring. CFLRP Community of Practice, Flagstaff, Arizona (remote).

September 3, 2020. **J.D. Johnston:** Historical successional and disturbance dynamics across productivity gradients in Oregon. Wasco County Forest Collaborative, The Dalles, OR (remote).

July 21, 2020. Greenler, S.M, and **J.D. Johnston:** The historical range of variability and implications for management. Ochoco Forest Restoration Collaborative, Prineville, OR (remote).

May 11, 2020. **J.D. Johnston:** Science Forum: Adapting the wildlife standard of the Eastside Screens. USDA Forest Service (remote).

January 21, 2020. **Johnston, J.D.** A Westside Story: A history of fire in western Oregon. South Santiam Watershed Council, Lebanon, OR.

October 21, 2019. **Johnston, J.D.** A story of fire, past and future. McKenzie Flyfishers, Springfield, OR.

May 22, 2019. **Johnston, J.D.** Historical fire regimes of the Willamette National Forest, Sierra Club, Eugene, OR.

May 13, 2019. **Johnston, J.D.** Historical fire regimes of the Willamette National Forest, Willamette Forest Collaborative Workshop, Springfield, OR.

February 23, 2019. **Johnston, J.D.** What are we doing?: A CFLRP implementation status report, Harney County Restoration Collaborative, Burns, OR.

May 2, 2019. **Johnston, J.D.** Historical fire regimes of the Willamette National Forest, Southern Willamette Forest Collaborative, Oakridge, OR

April 12, 2019. **Johnston, J.D.** Dry forest historical successional and disturbance dynamics. Pacific Northwest Forest Collaboratives Workshop, Hood River, OR.

April 12, 2019. **Johnston, J.D.** Management of westside forests. Pacific Northwest Forest Collaboratives Workshop, Hood River, OR.

July 30, 2018. **Johnston, J.D.** The History and Future of Wildfire in Oregon, Sierra Club, Eugene, OR.

May 17, 2018. **Johnston, J.D.** Fire Trends on the Malheur National Forest. Blue Mountains Forest Partners, John Day, OR.

May 16, 2018. **Johnston, J.D.** A Community Discussion on Managing Fire. High Desert Partnership, Burns, OR.

March 15, 2018. **Johnston, J.D.** Forest restoration in the Ragged Ruby planning area. Blue Mountains Forest Partners, John Day, OR.

November 29, 2017. Forest Fires in Oregon. Panel discussion with **Johnston, J.D.**, B. C. McComb, and K. Proctor. Society of Women Engineers. Corvallis, OR.

May 22, 2017. **Johnston, J.D.** Monitoring eastside forest restoration projects. Ochoco Forest Restoration Collaborative, Bend, OR.

April 3, 2017. **Johnston, J.D.** Relic landscapes of the Willamette River. Southern Willamette Forest Collaborative, Oakridge, OR.

March 30, 2017. **Johnston, J.D.** K. E. Morici, B. A. Miller, J. D. Bailey. South Blues CFLRP Forest Vegetation and Fuels (FVF) Project. Pacific Northwest Forest Collaboratives Workshop, Hood River, OR.

May 18, 2016. **Johnston, J.D.**, B. A. Miller, J. D. Bailey. South Blues CFLRP Forest Vegetation and Fuels Project. Malheur Monitoring Symposium, John Day, OR.

March 31, 2016. **Johnston, J.D.** Adaptive Management on the Malheur National Forest. Region 6 Forest Collaboratives Workshop, Hood River, OR.

March 17, 2016. **Johnston, J.D.** Managing moist mixed conifer forests. Blue Mountains Forest Partners, John Day, OR.

February 23, 2016. **Johnston, J.D.** Historical successional and disturbance dynamics in the southern Blue Mountains, Harney County Restoration Collaborative, Burns, OR.

July 21, 2015. **Johnston, J.D.** and B. A. Miller. Ochoco Forest Restoration Vegetation and Fuels Monitoring. Ochoco Forest Restoration Collaborative Full Group Meeting, Prineville, OR.

SERVICE AND OUTREACH

2019 to present. Expert witness (wildland fire investigations), Oregon Department of Justice.

2019. Guest lecturer, Portland State University, Portland, OR.

2018 to present. Science consultant, University of Oregon Media Center for Science and Technology.

2017 to present. Science consultant to Southern Willamette Forest Collaborative (<http://southwillamette.wixsite.com/swfc>), Oakridge, OR.

2016 to present. Manuscript reviewer for *Ecosphere*, *Ecological Applications*, *Forest Ecology and Management*, *International Journal of Wildland Fire*, *Journal of Environmental Management*, *Journal of Forestry*, *Methods in Ecology and Evolution*, and *Remote Sensing of Environment*.

2016 to present. Volunteer, Center Against Rape and Domestic Violence, Corvallis, OR.

2016 to 2019. Instructor, National Advanced Silviculture Program.

2014 to present. Guest lecturer, Lewis and Clark School of Law, Portland, OR.

2011 to present. Science consultant to the Blue Mountains Forest Partners (<http://www.bluemountainsforestpartners.org>), John Day, OR.

2011 to present. Volunteer, Environmental Law Alliance Worldwide, Eugene, OR.

2011. International Fellow, Environmental Law Alliance Worldwide (consultant to the government of Liberia about development of environmental regulations governing the mining and timber industry).

2010. Member, Oregon Department of Forestry Scientific Advisory Team, providing support to review of science underpinning management plans for state forests.

PRESS

July 23, 2021. 'A recipe for a catastrophic fire: How an Oregon blaze became the nation's largest. *New York Times* (<https://www.nytimes.com/2021/07/22/us/oregon-bootleg-fire.html>).

July 22, 2021. Climate change of forest management? "Everyone is right." KOIN TV (<https://www.koin.com/news/wildfires/climate-change-or-forest-management-everyone-is-right/>).

July 21, 2021. Planned fires reduced damage of Oregon Wildfire, analysis shows. *The Christian Science Monitor* (<https://www.csmonitor.com/Environment/2021/0721/Planned-fires-reduced-damage-of-Oregon-wildfire-analysis-shows?icid=rss>).

July 20, 2021. The Bootleg Fire, the nation's biggest, gives scientists an unexpected experiment. National Public Radio (<https://www.npr.org/2021/07/20/1018522825/bootleg-wildfire-forest-management>).

July 20, 2021. Thunderstorms and lightning threaten to spur more fires in U.S. west. *The Guardian* (<https://www.theguardian.com/us-news/2021/jul/20/us-west-wildfires-bootleg-fire-oregon>).

July 20, 2021. Monster wildfire tests years of forest management efforts. Associated Press (<https://apnews.com/article/science-fires-environment-and-nature-oregon-weather-9a8021b4073fc50309ddf9bad479d956>).

July 20, 2021. Extreme weather fuels Oregon wildfire, Bootleg Fire tops 388K acres; outside help sought. KTVZ TV (<https://ktvz.com/news/fire-alert/2021/07/20/extreme-weather-fuels-oregon-wildfires-bootleg-fire-tops-388k-acres-outside-help-sought/>).

July 19, 2021. Experts see larger wildfires become more common. KATU TV (<https://www.katu.com/news/local/experts-see-larger-wildfires-becoming-more-common>).

July 19, 2021. Size of Oregon wildfire underscores vastness of the U.S. West. Associated Press (<https://apnews.com/article/science-fires-environment-and-nature-wildfires-3f102582aa78c2400a95374a2fb07529>).

July 15, 2021. OSU study: Roadless forests see more, more severe blazes, but fire resilience is the result. KTVZ TV (<https://ktvz.com/news/oregon-northwest/2021/07/15/osu-study-roadless-forests-see-more-more-severe-blazes-but-fire-resilience-is-the-result/>).

June 21, 2021. Experts say Oregon is drier now than it was at anytime in 2020. KOIN TV (<https://www.koin.com/news/wildfires/experts-say-oregon-is-drier-now-than-it-was-this-time-in-2020/>).

March 9, 2021. OSU study: Tree cutting diameter limits hamper E. Oregon forest restoration. KTVZ TV (<https://ktvz.com/news/environment/2021/03/09/osu-study-tree-cutting-diameter-limits-hamper-e-oregon-forest-restoration/>).

February 16, 2021. Finding common ground on active forest management. Blue Mountain Eagle (https://www.bluemountaineagle.com/news/finding-common-ground-on-active-forest-management/article_d671fea0-6a34-11eb-a1ce-87830dd96961.html).

October 13, 2020. Experts say it is time to update fire suppression policies. National Public Radio (<https://www.npr.org/2020/10/13/923170353/experts-say-its-time-to-update-fire-suppression-policies>).

October 3, 2020. 'Timber Wars' episode 7: a way forward. Oregon Public Broadcasting (<https://www.opb.org/tag/timberwars/>).

February 26, 2020. Four year since Trump's promise to boost timber, little has changed. KLCC (<https://www.klcc.org/post/four-years-trumps-pledge-boost-timber-little-has-changed>).

January 8, 2020. OSU develops tools to help land managers use risk-analysis to 'new wildfire reality.' KTVZ (<https://ktvz.com/news/2020/01/08/osu-develops-tools-to-help-land-managers-use-risk-analysis-approach-to-new-wildfire-reality/>).

November 19, 2019. Restoration in a Fire Forest: The Return of Fire, Northwest Fire Science Consortium, (<https://www.youtube.com/watch?v=f7S2wEFfC0&t=4s>).

October 12, 2019. Despite Trump campaign pledge, Oregon logging not increasing. *Bend Bulletin* (<https://www.bendbulletin.com/localstate/7486691-151/despite-trump-campaign-pledge-oregon-logging-not-increasing>).

September 25, 2019. Guest Column: Light it so you don't have to fight it. *Bend Bulletin* (<https://www.bendbulletin.com/opinion/7453200-151/guest-column-light-it-so-you-dont-have>).

October 10, 2018. Restoration in a Fire Forest: The Benefits of Burning, Northwest Fire Science Consortium, (<https://www.youtube.com/watch?v=yf6slNlMx6Q&feature=youtu.be>).

July 26, 2018. Fire season: Fire professionals provide insight and advice about the summer fire season. *Eugene Weekly* (<https://www.eugeneweekly.com/2018/07/26/fire-season/>).

May 23, 2018. Fire management the focus of community discussion. *Burns Times-Herald*, (<http://btimesherald.com/2018/05/23/fire-management-the-focus-of-community-discussion/>).

March 24, 2018. Forest issues need fact-based collaborative approach (opinion). *Bend Bulletin*, (<http://www.bendbulletin.com/opinion/6103757-151/guest-column-forest-issues-need-fact-based-collaborative-approach>).

January 24, 2018. Forestry prof says corridor lawsuit has holes. Wallowa County Chieftain, (http://www.wallowacountychieftain.com/local_news/20180124/forestry-prof-says-corridor-lawsuit-has-holes).

December 10, 2017. Living with fire: New Oregon State research center focuses on fire prone landscapes. *Terra Magazine*, (<http://terra.oregonstate.edu/2017/04/living-with-fire/>).

August 20, 2016. Forest fuels pileup, not firefighter failure, made Canyon Creek fire a tragedy (opinion). *Oregonian*, (http://www.oregonlive.com/opinion/index.ssf/2016/08/forest_fuels_pileup_not_firefi.html).

AWARDS

2021 Outstanding Faculty Award, Department of Forest Ecosystems and Society

Laurels scholarship 2008-2009