

JEFF A. HATTEN

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EDUCATION AND EMPLOYMENT

EDUCATION

Ph.D. University of Washington	Forest Resources	2007
Dissertation Title: Fire Severity and Prescribed Fire Effects on Soil Organic Matter		
B.S. Western Washington University	Environmental Science	1999
Minors: Biology and Chemistry		
A.A. South Puget Sound Community College		1996

ADMINISTRATIVE EXPERIENCE

Department Head	7/2020-present
Associate Department Head	8/2019-present
Oregon State University, College of Forestry, Department of Forest Engineering, Resources & Management, Corvallis, Oregon	

PROFESSIONAL EXPERIENCE

Associate Professor	2016-present
Assistant Professor	2012-2016
Oregon State University, College of Forestry, Department of Forest Engineering, Resources & Management, Corvallis, Oregon	
Assistant Professor	2009-2012
Mississippi State University, College of Forest Resources, Department of Forestry, Starkville, Mississippi	
Postdoctoral Research Associate , Oregon State University	2007-2009
College of Oceanic and Atmospheric Sciences, Corvallis, Oregon	
Postdoctoral Research Associate , University of Washington	2007
College of Forest Resources, Seattle, Washington	
Graduate Research Assistant , University of Washington	2001-2007
College of Forest Resources, Seattle, Washington	
Graduate Teaching Assistant , University of Washington,	
Seattle, Washington	
Introduction to Soils	F2005
Advanced Soil Genesis	Sp2004
Introduction to Environmental Science	W2003
Introduction to Soils	F2003

Introduction to Soils F2002
Research Technician, Louisiana Pacific, Inc. 1999-2001
Sherwood, Oregon

OTHER ACADEMIC POSITIONS

Graduate Faculty 2018-present
Virginia Tech University, Department of Forest Resources and Environmental Conservation

Graduate Faculty 2017-present
Oregon State University, Natural Resource Graduate Program

Adjunct Assistant Professor 2014-present
Utah State University, Department of Wildland Resources

Graduate Faculty 2013-present
Oregon State University, Crop and Soils Sciences Department

Graduate Faculty 2012-present
Oregon State University, Water Resources Graduate Program

HONORS AND AWARDS

2019 Office of Economic and Community Development (OECD) Fellowship in Co-operative Research Programme: Biological Resource Management for Sustainable Agricultural Systems. 7,365EUR

2018 College of Forestry Aufderheide Excellence in Teaching Award

2017 Oregon Society of American Foresters Research Award.

2015 Institute for Working Forest Landscapes Professorship. Amount: \$150,000

2012 Best Paper of Session (Management Effects In Forest Range and Wildland Soils: I), Soil Science Society of America Annual Meeting

2012 Phi Kappa Phi National Honor Society

2011 Mississippi State University State Pride Award. Amount: \$2,500

2007 Best Paper of Session (Soil Response to Fire), Soil Science Society of America Annual Meeting

2006 Lockwood Endowment Travel Grant, University of Washington, College of Forest Resources. Amount: \$250

2002 Xi Sigma Pi National Forestry Honor Society, Alpha Chapter

2001 Stanley P. Gessel Research and Fellowship Award. Amount: \$5,509

1998 Richard Brian Whitmire Memorial Scholarship. Amount: \$675

PROFESSIONAL DEVELOPMENT

2020 LEAD21: Leadership training for administrators of land-grant institutions

2020 OSU Foundation/Advancement Resources Virtual Training

- 2020 Finding Your Next Steps DEI Workshop by the OSU Office for Institutional Diversity
- 2019 Sabbatical to Christchurch and Rotorua, New Zealand to work with colleagues at Scion, a forestry research organization. Funded by OSU, Scion, and OECD.
- 2018 College of Forestry Dean's Trip to New Zealand
- 2018 Faculty Success Program: National Center for Faculty Development and Diversity
- 2017 HJ Andrews Safety Days
- 2017 CoF Field Safety Class
- 2017 R Markdown Workshop
- 2016 Working with Foundations Workshop, OSU Foundation
- 2016 Grant Writers Workshop, Grant Writers' Seminars and Workshops, LLC (OSU)
- 2012 Workshop on: "Get students to focus on learning instead of grades: Metacognition is the key!" Saundra Yancy McGuire. MSU Center for Teaching and Learning.
- 2011 Selected to take part in Phase II the Grant Writing Workshop, Grant Writers' Seminars and Workshops, LLC (MSU)
- 2010 Grant Writers Workshop Phase I, Grant Writers' Seminars and Workshops, LLC (MSU)
- 2010 Workshop on "Know your copy rights: Tips for faculty and teaching assistants in higher education" MSU Libraries
- 2010 "Competitiveness workshop for USDA grants" Forestry and Wildlife Research Center
- 2010 New Faculty Tour of Federal Funding Agencies (Washington, D.C.): Met with program directors and administrators in USDA-AFRI, NSF, EPA, USFS, NRCS, USFW, and USNPS.
- 2009 New Faculty Orientation and Tour of Northeast Mississippi
- 2008 Workshop on "Survival Skills for Instructors in Higher Education", Dr. Peter M. Saunders, Director of the Center for Teaching and Learning, Oregon State University.

RESEARCH

PUBLICATIONS FROM REFEREED SOURCES

** postdoc, student, or technician under Hatten's direction as supervisor, advisor, or committee member*

PUBLISHED

- 48. Heckman, K.A., L.E. Nave, M.M. Bowman, A.C. Gallo*, **J. Hatten**, L. Matosziuk*, A.R. Possinger, M.D. SanClements, B.D. Strahm, T.L. Weiglein*, C. Rasmussen and C.W. Swanston. 2021. Challenges to the current paradigm of soil organic C

stabilization: Divergent controls on carbon concentrations and stability in forests and grasslands of the conterminous US. *Biogeochemistry*, Published online November 4, 2020. doi.org/10.1007/s10533-020-00725-z

A correction to this paper has been published: <https://doi.org/10.1007/s10533-021-00785-9>

47. Nave, L., M. Bowman, A. Gallo*, **J. Hatten**, K. Heckman, L. Matosziuk*, A. Possinger, M. SanClements, J. Sanderman, B. Strahm, T. Weiglein*, and C. Swanston. 2021. Patterns and predictors of soil organic carbon storage across a continental-scale network. *Biogeochemistry*, Published online January 30, 2021. doi: 10.1007/s10533-020-00745-9.
46. Pellegrini, A.F.S., A.C. Caprio, K. Georgiou, C. Finnegan, S.E. Hobbie, **J.A. Hatten**, R.B. Jackson. 2021. Low-intensity frequent fires in coniferous forests transform soil organic matter that may offset ecosystem carbon losses. Submitted to *Global Change Biology* March 1, 2021. Accepted for publication April 7, 2021.
45. Stokely, T., U. Kormann, J. Verschuyf, A. Kroll, D. Frey, S. Harris, D. Mainwaring, D. Maguire, **J. Hatten**, J. Rivers, S. Fitzgerald, and M. Betts. 2021. Birds, bees, deer, or trees: an experimental approach to evaluating trade-offs among conservation and production services in forest plantations. Submitted to *Journal of Applied Ecology* on January 27, 2021. Accepted for publication April 29, 2021.
44. Dewey*, J., **J.A. Hatten**, B. Choi*, C. Mangum*, and Y. Ouyang. 2020. Climate Drivers and Sources of Sediment and Organic Matter Fluxes in Intermittent Rivers and Ephemeral Streams (IRES) of a Subtropical Watershed, USA. *Climate* 8(10), 117. doi: 10.3390/cli8100117
43. McLauchlan, K. P. Higuera, J. Miesel, B. Rogers, J. Schweitzer, J. Shuman, A. Tepley, J. Varner, T. Veblen, S. Adalsteinsson, P. Baker, J. Balch, E. Batllori Presas, E. Bigio, P. Brando, M. Cattau, M. Chipman, J. Coen, R. Crandall, L. Daniels, N. Enright, W. Gross, B. Harvey, **J. Hatten**, S. Hermann, R. Hewitt, L. Kobziar, J. Landesmann, M.M. Loranty, S.Y. Maezumi, L. Mearns, M. Moritz, J. Myers, J. Pausas, A. Pellegrini, W. Platt, J. Roozeboom, H. Safford, F. Santos, R. Scheller, R. Sherriff, K. Smith, M. Smith, A. Watts. 2020. Fire as a fundamental ecological process: research advances and frontiers. *Journal of Ecology* 108 (5): 2047-2069. doi.org/10.1111/1365-2745.13403
42. Ji, H.* , J. Han, J. Xue, **J. Hatten**, M. Wang, Y. Guo, and P. Li. 2020. Soil organic carbon pool and chemical composition under different types of land use in wetland: Implication for carbon sequestration in wetlands. *Science of the Total Environment*: May(136996). doi: 10.1016/j.scitotenv.2020.136996
41. Littke, K.M., T.B. Harrington, R.A. Slesak, S.M. Holub, **J.A. Hatten**, A. C. Gallo*, W.R. Littke, R.B. Harrison, and E.C. Turnblom. 2020. Impacts of organic matter removal and vegetation control on nutrition and growth of Douglas-fir at three Pacific Northwestern Long-Term Soil Productivity sites. *Forest Ecology and Management* 468 (118176). doi.org/10.1016/j.foreco.2020.118176
40. Matosziuk*, L., **J.A. Hatten**, A. Gallo*, K. Heckman, K.D. Bladon, D. Ruud, L.E. Nave, B.D. Strahm, T. Weiglein*, M. SanClements, J. Egan, and M. Bowman. 2020. Fire Effects on Soil Organic Matter in a Southern Appalachian Hardwood Forest. *Frontiers in Forests and Global Change* 3. doi.org/10.3389/ffgc.2020.00006

39. Rachels*, A., S. Bywater-Reyes, K. Bladon, and **J. Hatten**. 2020. Quantifying effects of forest harvesting on sources of suspended sediment to an Oregon Coast Range headwater stream. *Forest Ecology and Management* 466 (118123). doi.org/10.1016/j.foreco.2020.118123
38. Segura, C., K.D. Bladon, **J.A. Hatten**, J.A. Jones, and V.C. Hale. 2020. Long-term effects of forest harvesting on summer low flow deficits and annual water yield in the Oregon Coast Range: Alsea Watershed Study Revisited. *Journal of Hydrology* 585 (124749). doi.org/10.1016/j.jhydrol.2020.124749
37. Talucci A.C., L.M. Matosziuk*, **J.A. Hatten**, and M.A. Krawchuk. 2020. Pyrogenic carbon boost when wildland fires burn through forests with high pre-fire mortality. *Fire Ecology* 16(21). doi.org/10.5281/zenodo.3959377
36. Holub, S. and **J.A. Hatten**. 2019. Soil carbon storage in Douglas-fir forests of western Oregon and Washington before and after modern timber harvesting practices. *Soil Science Society of America Journal* 83(s1) S175-S186. doi: 10.2136/sssaj2018.09.0354
35. Lan, Y., D.C. Shaw, G. Ritóková, and **J.A. Hatten**. 2019. Associations between Swiss Needle Cast Severity and Foliar Nutrients in Young-growth Douglas-fir in Coastal Western Oregon and southwestern Washington, USA. *Forest Science* 65(5): 537-542. doi: 10.1093/forsci/fxz022
34. Matosziuk*, L.M., Y. Alleau*, B.K. Kerns, J. Bailey, M.G. Johnson, and **J.A. Hatten**. 2019. Effects of season and interval of prescribed burns on pyrogenic carbon in ponderosa pine stands in Malheur National Forest. *Geoderma* 348: 1-11. doi.org/10.1016/j.geoderma.2019.04.009
33. Nave, L.E., M. Conley, A. Covarrubias-Orñelas, P.E. Drevnick, A. Gallo*, **J.A. Hatten**, K.A. Heckman, K.L. Hofmeister, L. Matosziuk*, E. Michaelson, M. SanClements, B.D. Strahm, C. Thompson, T.J. Veverica, T.L. Weiglein*, and C.W. Swanston. 2019. Carbon-mercury interactions in Spodosols assessed through density fractionation, radiocarbon analysis, and soil survey information. *Soil Science Society of America Journal* 83(1): 190-202. doi: 10.2136/sssaj2018.06.0227
32. Ouyang, Y., J. Grace, W. Zipperer, **J. Hatten**, and J. Dewey*. 2018. A Simple Approach to Estimate Daily Loads of Total, Refractory and Labile Organic Carbon from their Seasonal Loads in a Watershed. *Environmental Science and Pollution Research* 25(22):21731-21741. doi: 10.1007/s11356-018-2301-y.
31. Hart*, B.T.N., J.E. Smith, D.L. Luoma, and **J.A. Hatten**. 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. doi.org/10.1016/j.foreco.2018.03.050
30. Richardson*, K., **J.A. Hatten**, and R. Wheatcroft. 2018. 1500-years of lake sedimentation due to fire, earthquakes, floods and land clearance in the Oregon Coast Range: Geomorphic sensitivity to floods during timber harvest period. *Earth Surface Processes and Landforms* 43(7): 1496-1517. doi.org/10.1002/esp.4335
29. **Hatten, J.A.**, C. Segura, K.D. Bladon, V.C. Hale, G.G. Ice, and J. Stednick. 2018. Effects of contemporary forest harvesting on suspended sediment in the Oregon

- Coast Range: Alsea Watershed Study Revisited. *Forest Ecology and Management* 408: 238-248. doi.org/10.1016/j.foreco.2017.10.049
28. Krapfl*, K., S.D. Roberts, **J.A. Hatten**, B.S. Baldwin, R.J. Rousseau, and M.W. Shankle. 2017. Establishment phase productivity of loblolly pine and switchgrass when grown across a gradient of cultural treatment and site productivity. *Forest Ecology and Management*. 400: 228-237
http://dx.doi.org/10.1016/j.foreco.2017.06.016
 27. Krapfl*, K., S.D. Roberts, **J.A. Hatten**, B.S. Baldwin, R.J. Rousseau, and M.W. Shankle. 2016. Capacity of soil amendments to mitigate interspecific competition amongst trees and grasses. *Forest Ecology and Management*. 376: 298-309.
http://dx.doi.org/10.1016/j.foreco.2016.06.030
 26. Tinkham W.T., A.M.S. Smith, P.E. Higuera, **J.A. Hatten**, and N.W. Brewer*. 2016. Replacing time with space: Using laboratory fires to explore the effects of repeated burning on black carbon degradation. *International Journal of Wildland Fire*. 25(2)L 242-248. dx.doi.org/10.1071/WF15131
 25. **Hatten, J.A.**, and M. Goñi. 2016. Cupric Oxide (CuO) Oxidation Detects Pyrogenic Carbon in Burnt Organic Matter and Soils. *PLoS One* 11:e0151957.
 24. Gray, A.B., G.B. Pasternack, E.B. Watson, M.A. Goñi, **J.A. Hatten**, J.A. Warrick. 2016. Conversion to drip irrigated agriculture may offset historic anthropogenic and wildfire contributions to sediment production. *Science of the Total Environment*. 556: 219-230. 10.1016/j.scitotenv.2016.03.018
 23. Callesen, I, R. Harrison, I. Stupak, **J. Hatten**, K. Raulund-Rasmussen, J. Boyle, N. Clarke, D. Zabowski. 2016. Deep tree roots: Carbon storage and nutrient mobilization by deep roots and rhizospheres in temperate and boreal forest. *Forest Ecology and Management* 359, 322-331.
doi:10.1016/j.foreco.2015.08.019
 22. **Hatten, J.A.**, C. Landgren, and J. Hart. 2014. Long-term soil productivity in Christmas tree farms of Oregon and Washington: A comparative analysis. *Forests* 5(10), 2581-2593. doi:10.3390/f5102581
 21. Choi*, B.K., **J. Hatten**, J. Dewey, A. Ezell, and K. Otsuki. 2014. Impacts of Three Silvicultural Prescriptions on Sediment Mobility and Water Quality in Headwater Streams of Forested Watersheds in the Upper Gulf Coastal Plain of Mississippi, USA. *Journal of the Faculty of Agriculture, Kyushu University* 59, 191-203.
 20. **Hatten, J.A.** J. E. Sloan*, B.R. Frey, J. Straub, R. Kaminski, and A. Ezell. 2014. Influences on soil and sediment carbon and nitrogen in red oak bottomlands in the Mississippi Alluvial Valley and Interior Flatwoods. *Soil Science Society of America Journal*. 78(S1): S248-S260.
 19. Krapfl*, K.J., **J.A. Hatten**, S.D. Roberts, B.S. Baldwin, R.J. Rousseau, and M.W. Shankle. 2014. Soil properties, nitrogen status, and yield following biochar application to a temperate soil. *Soil Science Society of America Journal*. 78(S1): S136-S145.
 18. Mack*, J., **J.A. Hatten**, E. Sucre, S. Roberts, Z. Leggett, and J. Dewey*. 2014. The effect of organic matter manipulations on site productivity, soil nutrients, and soil carbon on a southern loblolly pine plantation. *Forest Ecology and Management* 326: 25-35. http://dx.doi.org/10.1016/j.foreco.2014.04.008

17. Brewer*, N., A. Smith, **J. Hatten**, P. Higuera, A. Hudak, R. Ottmar , W. Tinkham , R. Kremens. 2013. Fuel Moisture Influences on Fire-altered Carbon in Masticated Fuels: An Experimental Study. *Journal of Geophysical Research – Biogeosciences* 118: 30-40. doi:10.1029/2012JG002079
16. Choi*, B., **J.A. Hatten**, J.C. Dewey*, and K. Otsuki. 2013. Effect of timber harvesting on stormflow characteristics in headwater streams of managed, forested watersheds in the Upper Gulf Coastal Plain of Mississippi. *Journal of the Faculty of Agriculture, Kyushu University.* 58(2): 395-402.
15. Goñi, M., **J.A. Hatten**, R.A. Wheatcroft, and J. Borgeld. 2013. Particulate organic matter export by two contrasting small mountainous river systems from the Pacific Northwest, U.S.A. *Journal of Geophysical Research – Biogeosciences.* 118: 1-23. doi: 10.1002/jgrg.20024
14. Ouyang, Y, T. Leininger, and **J.A. Hatten**. 2013. Real-Time Estimation of TP Load in a Mississippi Delta Stream Using a Dynamic Data Driven Application System *Journal of Environmental Management.* 122: 37-41. <http://dx.doi.org/10.1016/j.jenvman.2013.02.04>
13. Ouyang, Y., T.D. Leininger, **J.A. Hatten**, and P.B. Parajuli. 2013. A STELLA Model to Estimate Soil CO₂ Emissions from a Short-Rotation Woody Crop. *Water Air and Soil Pollution* 224 (1). doi: 10.1007/s11270-012-1392-1
12. Tesi T., S. Miserocchi, F. Acri, Langone L., A. Boldrin, **J.A. Hatten**, and S. Albertazzi. 2013. Flood-driven transport of sediment, particulate organic matter, and nutrients from the Po River watershed to the Mediterranean Sea. *Journal of Hydrology.* 498: 144-152. doi.org/10.1016/j.jhydrol.2013.06.001
11. Choi*, B., J.C. Dewey*, **J.A. Hatten**, A.W. Ezell, and Z. Fan. 2012. Changes in vegetative communities and water table dynamics following timber harvesting in small headwater streams. *Forest Ecology and Management* 281:1-11
10. Warrick, J., **J.A. Hatten**, G.B. Pasternack, A. Gray, M. Goñi, R. Wheatcroft. 2012. The effects of wildfire on the sediment yield of a coastal California watershed. *The Geological Society of America Bulletin.* 124(7/8): 1130-1146. doi: 10.1130/B30451.1
9. **Hatten, J. A.**, M. Goñi, and R. Wheatcroft. 2012. Chemical characteristics of particulate organic matter from a small, mountainous river in the Oregon Coast Range, USA. *Biogeochemistry.* 107:43-66 doi: 10.1007/s10533-010-9529-z
8. **Hatten, J. A.**, D. Zabowski, A. Ogden, W. Thies and B. Choi*. 2012. Role of season and interval of prescribed burning on ponderosa pine tree growth in relation to soil inorganic N and P and moisture. *Forest Ecology and Management.* 269: 106-115. doi:10.1016/j.foreco.2011.12.036
7. Ouyang, Y., J. Higman, and **J.A. Hatten**. 2012. Estimation of dynamic load of mercury in a river with BASINS-HSPF model. *Journal of Soils and Sediments.* 12(2): 207-216. doi: 10.1007/s11369-011-0426-4
6. Zabowski, D., N. Whitney, J. Gurung and, **J. A. Hatten**. 2011. Total soil carbon in the coarse fraction and at depth. *Forest Science,* 57(1): 11-18.
5. **Hatten, J.A.** and D. Zabowski. 2010. Fire severity effects on soil organic matter from a ponderosa pine forest: a laboratory study. *International Journal of Wildland Fire,* 19(5): 613-623. doi:10.1071/WF08048

4. Wheatcroft, R., M. Goñi, **J.A. Hatten**, G. Pasternack, and J. Warrick. 2010. The role of effective discharge in the ocean delivery of particulate organic carbon by small, mountainous river systems. *Limnology and Oceanography*, 55(1): 161-171.
3. **Hatten, J.A.** and D. Zabowski. 2009. Changes in soil organic matter pools and carbon mineralization as influenced by fire severity. *Soil Science Society of America Journal*, 73(1): 262-273. doi:10.2136/sssaj2007.0304
2. **Hatten, J.A.**, D. Zabowski, A. Ogden, and W. Thies. 2008. Soil organic matter in a ponderosa pine forest with varying seasons and intervals of prescribed burn. *Forest Ecology and Management* 255(7): 2555-2565. doi:10.1016/j.foreco.2008.01.016
1. **Hatten, J.A.**, D. Zabowski, G. Scherer, and E. Dolan. 2005. A comparison of soil properties after contemporary wildfire and fire suppression. *Forest Ecology and Management* 220(1-3): 227-241. doi:10.1016/j.foreco.2005.08.014

REFEREED ARTICLES: UNDER-REVIEW/REVISION AND IN-PREPARATION (NEAR COMPLETION)

** postdoc, student, or technician under Hatten's direction as supervisor, advisor, or committee member*

Refereed Publications (In Review)

- Bowman, M., M. , D. , J. Egan , A. , J. Hatten, K. Heckman, L. Nave, A. Possinger, B. Strahm, T. Weiglein. Expanding Horizons: Parafac Modeling of Fluorescence Excitation Emission Spectra of Soil Water Extractable Organic Matter Across The Continental U.S. *Geophysical Research Letters*. Submitted on June 24, 2021.
- Possinger, A. B. Strahm, T. Weiglein, M. Bowman, A. Gallo, J. Hatten, K. Heckman, L. Matosziuk, L. Nave, M. SanClements, and C. Swanston. Under Review. Climate effects on subsoil carbon loss mediated by soil chemistry. *Submitted to Environmental Science and Technology on January 26, 2021.*
- Rooney, E.C. , V.L. Bailey, K.F. Patel, M. Dragila, A.K. Battu, A.C. Buchko, A.C. Gallo, J. Hatten, A.R. Possinger, O.Qafoku, L.R. Reno, M. SanClements, T. Varga, and R.A. Lybrand. Soil pore network response to freeze-thaw cycles in permafrost aggregates. *Submitted to Geoderma on July 16, 2021.*
- Weiglein*, T.L., B.D. Strahm, M.M. Bowman, A.C. Gallo*, **J.A. Hatten**, K.A. Heckman, L.M. Matosziuk, L.E. Nave, A.R. Possinger, M. SanClements, and C.W. Swanston. *Under Review*. Key predictors of soil organic matter vulnerability to mineralization differ with depth at a continental scale. *Submitted to Global Change Biology on April 7, 2020. Rejected for baloney reasons. September 15, 2020 submitted to Biogeochemistry. Revisions submitted April 9, 2021.*

Known Refereed Publications In-preparation (nearing completion)

- Frey*, D., **J.A. Hatten**, M. Betts, and T. Stokely. *Internal review/revision*. Effects of Intensive Forest Management and Wildlife on Resource Availability and Douglas-Fir Productivity in the Northern Oregon Coast Range
- Frey*, D., **J.A. Hatten**, M. Betts, and T. Stokely. *Internal review/revision*. Effects of Intensive Forest Management and Cervids on Decomposition and Soil Productivity in the Northern Oregon Coast Range

- Frey*, D., **J.A. Hatten**, M. Betts, and T. Stokely. *Internal review/revision*. Effects of Intensive Forest Management and Birds on Decomposition and Soil Productivity in the Northern Oregon Coast Range
- Gallo*, A., **J.A. Hatten**, S. Holub, D. Maguire, and K. Lajtha. *Internal review/revision*. Response of Soil Temperature, Moisture, and Respiration Two Years Following Intensive Organic Matter and Compaction Manipulations in Oregon Cascade Forests.
- Guerrero*, F.J., **J.A. Hatten**, S. Johnson, and A. Argerich. *Internal review/revision*. A 30-year Record of Particulate Organic Carbon (POC) Exports from Headwater Streams of the Oregon Cascades: A Biogeochemical Signal of Response to Disturbance
- Guerrero*, F.J., **J.A. Hatten**, M. Goñi, and A. Gray. *Internal review/revision*. Event-associated overbank deposits as testimonies of particulate organic carbon mobilized along a small mountainous river during a large flood event
- Guerrero*, F.J., **J.A. Hatten**, and K. Richardson. *Internal review/revision*. Disentangling signals of watershed responses to disturbance from the information content of particle size spectra: An analysis of a 1500-year sedimentary archive from Loon Lake, Umpqua River Basin, Oregon
- Hatten, J.A.**, L. Matosziuk*, B. Kerns, J. Bailey, M. Day, D. Westlind, and D. Zabowski. *Internal review/revision*. The Effects of 17 Years of Repeated Prescribed Fires on Soils in a Ponderosa Pine Forest: Do Season and Interval of Burn Matter?
- Hatten J.A.**, M. Goñi, A. Gray, J. Warrick, E. Watson, G. Pasternack, R. Wheatcroft, and Y. Alleau. *In-preparation*. Source and flux of particulate organic carbon from a burned small, mountainous, semi-arid watershed.
- Hatten, J.A.**, D. Frey, Y. Lan, G. Ritóková, and D. Shaw. *Internal review/revision*. Modeling the severity and impact of Swiss needle cast in Douglas-fir from soil and climate variables in coastal Western Oregon and Southwest Washington, USA

PEER REVIEWED, EDITED, AND OTHER PUBLICATIONS

* *postdoc, student, or technician under Hatten's direction as supervisor, advisor, or committee member*

11. Page-Dumroese, D.S., D.M. Morris, M.T. Curzon, and J.A. Hatten. 2021. The Long-Term soil productivity study after three decades. *Forest Ecology and Management* 497(119531)
10. Berryman, E., Hatten, J., Page-, D. S., Heckman, K. A., Amore, D. V. D., Puttere, J., et al. 2020. "Soil Carbon," in *Forest and Rangeland Soils of the United States Under Changing Conditions*, eds. P. R., P.-D. D., P.-W. T., and G. L. (Springer, Cham), 9–31. doi:https://doi.org/10.1007/978-3-030-45216-2_2. (*Peer Reviewed Book Chapter*)
9. **Hatten, J.A.**, and G.C. Liles. Chapter 15: A 'healthy' balance: The role of physical and chemical properties in maintaining forest soil function in a changing world. 2019. In: *Global Change and Forest Soils: Cultivating Stewardship of a Finite Natural Resource*. Eds: M. Busse, D. Page-Dumroese, D. Morris, C. Giardana. Elsevier Science. (*Peer Reviewed Book Chapter*)
8. Bormann, B.T., S.S. Perakis, R.L. Darbyshire, and **J. Hatten**. 2017. Long-term Forest Productivity. In. Eds. D.H. Olson and B. Van Horne. *People, Forests, and*

Change: Lessons from the Pacific Northwest. Island Press. 344 pages. (*Peer Reviewed Book Chapter*)

7. **Hatten, J.**, E. Sucre, Z. Leggett, J. Mack*, J. Zerpa, S. Roberts, B. Strahm. 2015. Explaining the Apparent Resiliency of a Loblolly Pine Plantation to Organic Matter Removal. In: Holley, A. Gordon, Connor, Kristina F., and Haywood, James D., eds. 2014. Proceedings of the 17th Biennial Southern Silvicultural Research Conference. e-Gen. Tech. Rep. SRS-203. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 237-243. (*Edited conference proceeding*)
6. Krapfl*, K.J., S.D. Roberts, R.J. Rousseau, and **J.A. Hatten**. 2015. Early Competitive Effects on Growth of Loblolly Pine Grown in Co-Culture with Switchgrass. In: Holley, A. Gordon, Connor, Kristina F., and Haywood, James D., eds. 2014. Proceedings of the 17th Biennial Southern Silvicultural Research Conference. e-Gen. Tech. Rep. SRS-203. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 322-325. (*Edited conference proceeding*)
5. **Hatten, J.A.** and others. 2011. Section 2: Forest Carbon Stocks and Flows, Subdivision: Carbon Trajectories in Forest Soils. pp. S16-S17. In Malmshimer, R.W. et al. Managing Forest Because Carbon Matters: Integrating Energy, Products, and Land Management Policy. Journal of Forestry 109(7S):S7-S50. (*Peer Reviewed Article. NOTE - See Preface of supplement for attribution of Hatten's role in publication p. S8*)
4. Khanal*, S., P.B. Parajuli **J. Hatten**. 2011. Evaluating hydrologic effect of forest harvesting at Upper Pearl River Watershed in Mississippi. American Society of Agricultural and Biological Engineers Annual International Meeting, Louisville, KY. August 7-10. Volume 7: 5622-5632. (*Conference proceedings abstract*)
3. Goñi, M.A., **J.A. Hatten**, R.A. Wheatcroft, J. Borgeld, G. Pasternack, A. Gray, E. Watson, 2010. Hydroclimatic and geomorphic controls on particulate organic matter in small mountainous rivers. Goldschmidt Conference. Knoxville, TN. June 13-18. *Geochimica et Cosmochimica. Acta*, 74(Supplement 1): A346-A346. (*Conference proceedings abstract*)
2. Zabowski, D., **J.A. Hatten**, G. Scherer, and E. Dolan. 2009. Chapter 4: Soils. p47-56. In. Agee, J. K. and J. F. Lehmkuhl (compilers). Dry forests of the Northeastern Cascades Fire and Fire Surrogate Site, Mission Creek, Okanogan-Wenatchee National Forest. USDA Forest Service Research Paper PNW-RP-577, Portland, Oregon. (*Refereed General Technical Report*)
1. Zabowski, D., W. Thies, **J.A. Hatten**, and A. Ogden. 2007. Does season of burn and burn interval affect soil productivity and processes in a ponderosa pine ecosystem?. Final Report Joint Fire Sciences Program Project Number 04-2-1-85. Available at: www.firescience.gov/projects/04-2-1-85/project/04-2-1-85_final_report.pdf (*Publicly Available Final Report*)

INVITED PRESENTATIONS

Presenter is underlined; * postdoc, student, or technician under Hatten's direction as supervisor, advisor, or committee member

National, International, and Regional Conferences and Workshops

17. **Hatten, J.A.** 2019. Do Contemporary Forest Harvesting Practices Return Sediment Fluxes to Pre-Settlement Levels in Oregon Forests? International Union of Forestry research Organizations World Congress. Curitiba, Brazil. September 29 – October 5. (*Oral*)
16. **Hatten, J.A.** 2018. Fire and restoration effects on soils and the need for steep slope harvesting systems. Workshop on Dry Forest Restoration on Steep Terrain. Redmond, Oregon. November 7. (*Oral*)
15. **Hatten, J.A.** 2018 Do contemporary harvesting practices return sediment yields to pre-settlement levels in the Oregon Coast Range? Oregon Forest Industry Council, Sun River, Oregon. October 8. (*Oral*)
14. **Hatten, J.A.** 2018. Do contemporary harvesting practices return sediment yields to pre-settlement levels in the Oregon Coast Range? Society of American Foresters Annual Meeting, Portland, Oregon. October 3-7. (*Oral*)
13. **Hatten, J.A.** 2017. Future of Fire Workshop. Boulder, Colorado. November 6-7.
12. **Hatten, J.A.**, A. Gallo, L. Matosziuk, F. Guerrero-Bolaño, K. Heckman, L. Nave, M. San Clements, and B. Strahm. 2017. Forest & Rangeland Soil and the Carbon Cycle. Workshop on USFS National Soils Assessment: Forest & Rangeland Soils in a Changing World. Portland, Oregon. July 25-28. (*Oral*)
11. **Hatten, J.A.**, C. Segura, K.D. Bladon, V.C. Hale, G.G. Ice, J. Stednick, K. Richardson, R. Wheatcroft, and F.J. Guerrero-Bolaño. 2017. Impact of Contemporary Harvesting Practices on Suspended Sediment Concentrations and Fluxes in the Oregon Coast Range. National Council for Air and Stream Improvement Summer BBQ. Walton, Oregon. July 14. (*Oral*)
10. **Hatten, J.A.** 2017. Forest Nutrition and Long-term Sustainability in Pacific Northwest Douglas-fir Forests. Oregon Society of American Foresters Annual Meeting. Tigard, Oregon. April 26-27. (*Oral*)
9. **Hatten, J.A.**, J. Mack, S. Roberts, E.B. Sucre, S.M. Holub, J. Dewey, A.C. Gallo. 2015. Assessing Long Term Soil Productivity in Intensively Managed Loblolly Pine and Douglas-Fir Forests. Society of American Foresters Annual Meeting. Baton Rouge, Louisiana. November 3-6. (*Oral*)
8. **Argerich, A.**, S. Johnson, J. Sobota, L. Ashkenas, J. Li, **J.A. Hatten**, A. Skaugset. 2015. Sediment and Macroinvertebrate Responses to Forest Harvest. Results from a Paired-Watershed Study from the Pacific Northwest. American Fisheries Society Annual Meeting. Portland, OR. August 16-20. (*Oral*)
7. **Hatten, J.A.**, F.J. Guerrero-Bolaño*, S. Johnson, A. Argerich, I. Arismendi, L. Ashkenas, J. Li. 2015. Effect of Contemporary Harvesting Practices on the Source of Particulate Organic Matter and Sediment in Oregon Coast Range. American Fisheries Society Annual Meeting. Portland, OR. August 16-20. (*Oral*)

6. Swanston C., L. Nave, **J. Hatten**, B. Strahm, M. SanClements, K. Heckman, D. McKnight. 2015. A continental-scale assessment of linkages between SOM stabilization mechanisms, controls, and vulnerability. SUBSOM Symposium 2015 – Organic matter storage and turnover in subsoils. Raesfeld, Germany, April 28. (*Oral*)
5. **Hatten, J.A.**. 2014. Long-term soil productivity of managed forests: Mechanisms of apparent resilience after intensive biomass removal. Western Region Council on Forest Engineering Seminar. Eugene, Oregon. January 16. (*Oral*)
4. **Hatten, J.A.**, J.A. Warrick, A.B. Gray, E.B. Watson, G.B. Pasternack, M. A. Goñi, R. A. Wheatcroft. 2012. The role of wildfire in the export of particulate and pyrogenic organic carbon from a small mountainous river. European Geosciences Union General Assembly 2012. Vienna, Austria, April 22-27. (*Oral*)
3. **Hatten, J.A.**, J.A. Warrick, A. B. Gray, E.B. Watson, G.B. Pasternack, M. A. Goñi, R.A. Wheatcroft, and J. Dewey. 2011. Role of wildfire in controlling the flux of particulate organic carbon and nitrogen from small, mountainous, coastal watersheds. University of Mississippi Department of Biology Seminar, Oxford, Mississippi. September 9. (*Oral*)
2. **Hatten, J.A.** , J.A. Warrick, A. B. Gray, E.B. Watson, G. B. Pasternack, M. A. Goñi, R. A. Wheatcroft, and J. Dewey. 2011. Effects of wildfire on the flux of particulate organic carbon and nitrogen from a coastal California watershed. North American Forest Ecology Workshop. Roanoke, Virginia. June 19-23. (*Oral*)
1. Goñi, M.A., **J.A. Hatten**, R.A. Wheatcroft, J. Borgeld, A. Williamson, J. Padgett, G. Pasternack, A. Gray, E. Watson. 2009. Discharge-related trends in the composition of particulate organic matter exported by small mountainous rivers: results from Oregon and California. American Geophysical Union Fall Meeting. San Francisco, California. December 14-18. (*Oral*)

Academic Seminars

6. **Hatten, J.A.** 2017. Soil sampling to support long-term research at HJ Andrews. HJA Monthly meeting, Corvallis, Oregon. June 2, 2017. (*Oral*)
5. **Hatten, J.A.**, J. Mack*, S. Roberts, E.B. Sucre, S.M. Holub, J. Dewey, A.C. Gallo. 2016. Assessing "Long-Term" Soil Productivity and Soil Carbon in Intensively Managed Forests. Wood Lunch in the Department Wood Science and Engineering, Oregon State University. Corvallis, Oregon. March 8, 2016. (*Oral*)
4. **Hatten, J.A.**, J. Mack*, S. Roberts, E. Sucre, Z. Leggett, S. Holub, A. Gallo*. 2013. Apparent resiliency of soil carbon and stand productivity to organic matter manipulations in a loblolly pine plantation. Department of Crop and Soil Sciences Fall Seminar Series 2013. Oregon State University. Corvallis, Oregon. December 2, 2013. (*Oral*)
3. **Hatten, J.A.**, J.A. Warrick, A.B. Gray, E.B. Watson, G.B. Pasternack, M. A. Goñi, R. A. Wheatcroft. 2013. The role of wildfire in the export of particulate and

pyrogenic organic carbon from small mountainous rivers. The Water Resources and Graduate Program Winter 2013. Oregon State University. Corvallis, Oregon. March 6, 2013. (*Oral*)

2. **Hatten, J.A.**, J.A. Warrick, A.B. Gray, E.B. Watson, G.B. Pasternack, M. A. Goñi, R. A. Wheatcroft. 2013. The role of wildfire in the export of particulate and pyrogenic organic carbon from small mountainous rivers. The Water Seminar and Environmental Science and Resource Management Seminar 2013. University of Washington. Seattle, Washington. January 22, 2013. (*Oral*)
1. **Hatten, J.A.**, J. Dewey*, C. Mangum*, and B. Choi*. 2011. Particulate, nutrient and carbon transport in headwater streams of the Upper Coastal Plains, MS. University of Mississippi Department of Biology BioLunch, Oxford, Mississippi. September 9. (*Oral*)

VOLUNTEERED PRESENTATIONS

*Presenter is underlined; * postdoc, student, or technician under Hatten's direction as supervisor, advisor, or committee member*

Oral

77. Heckman, K., L.E. Nave, M. Bowman, A.C. Gallo*, **J.A. Hatten**, L. Matosziuk*, A.R. Possinger, M.D. Sanclements, B.D. Strahm, C. Rasmussen, and C.W. Swanston, 2020. Challenges to the Current Paradigm of Soil Organic C Stabilization: Divergent Controls on Carbon Concentrations and Stability in Forests and Grasslands of the Conterminous US. Soil Science Society of America Annual Meeting. Virtual. November 9-13.
76. Possinger, A.R., B.D. Strahm, T. Weiglein*, M. Bowman, A.C. Gallo*, **J.A. Hatten**, K. Heckman, L. Matosziuk*, L.E. Nave, M.D. Sanclements, and C.W. Swanston. 2020. Subsoil Carbon Loss from Increased Temperature and Moisture Mediated By Mechanism of Organo-Mineral Protection. Soil Science Society of America Annual Meeting. Virtual. November 9-13.
75. Winters*, S. and **J.A. Hatten**. 2020. Resistance or Resilience in Soil Carbon Pools?: Exploring Soil Carbon Dynamics Using Common Forest Organic Matter Removal Practices in Long Term Soil Productivity Sites from California to New Zealand. Soil Science Society of America Annual Meeting. Virtual. November 9-13.
74. Pellegrini, A., T. Caprio, K. Georgiou, C. Finnegan, S.E. Hobbie, **J.A. Hatten**, and R.B. Jackson. 2019. Limited carbon cost of fire management in Californian forests: compensatory responses may buffer against long-term soil carbon losses. American Geophysical Union Fall Meeting. San Francisco, California. December 9-13.
73. Rooney*, E., R. Lybrand, M.I. Dragila, A. Gallo*, **J.A. Hatten**, L.R. Reno, M.R. SanClements, T. Varga, and O. Qafoku. 2019. The Impact of Freeze-Thaw Cycles on Soil Porosity in Permafrost-Affected Soils. American Geophysical Union Fall Meeting. San Francisco, California. December 9-13.

72. Segura, C., K.D. Bladon, **J.A. Hatten**, J.A. Jones, C. Hale, and J. McDonnell. 2019. Long-term effects of forest harvesting on summer mean daily flow in the Oregon Coast Range: Alsea Watershed Study Revisited. American Geophysical Union Fall Meeting. San Francisco, California. December 9-13.
71. **Hatten, J.A.** 2019. Modeling the severity and impact of SNC in Douglas-fir from soil, foliar and climate variables in coastal western Oregon and southwest Washington. Swiss Needle Cast Cooperative Annual Meeting. Salem, Oregon. December 4.
70. Bowman, M., M.D. SanClements, B.D. Strahm, T. Weiglein, A.R. Possinger, A.C. Gallo*, **J.A. Hatten**, K. Heckman, and L.E. Nave. 2019. Linking Nominal Oxidation State of Carbon from Extracted Soil Organic Matter to Cumulative Respiration from Climate Change Incubations at a Continental Scale. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-13.
69. Gallo*, A.C., **J.A. Hatten**, K. Heckman, L.E. Nave, M. Bowman, M. SanClements, B.D. Strahm, A.R. Possinger, and T. Weiglein*. 2019. Roots to Regolith: Sources of Organic Matter across the National Ecological Observatory Network (NEON) Soil Plots. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-13.
68. **Hatten, J.A.**, A.C. Gallo*, L. Matosziuk*, M. Bowman, J. Egan, M. SanClements, B.D. Strahm, A.R. Possinger, T. Weiglein*, K. Heckman, and L.E. Nave. 2019. Controlling the Distribution of Pyrogenic Carbon across the Continental US. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-13.
67. Heckman, K., A.C. Gallo*, T. Weiglein*, L.E. Nave, B.D. Strahm, J.A. Hatten, M.D. SanClements, and C.W. Swanston. 2019. Assessing Soil Organic C Stability at the Continental Scale: An Analysis of Soil C and Radiocarbon Profiles across the NEON Sites. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-13.
66. Hess, N., M. Bowman, R.J. Chu, J. Toyoda, A. Thompson, N. Tolic, K. Heckman, **J.A. Hatten**, L.E. Nave, B.D. Strahm, and M.D. SanClements. 2019. Molecular Signatures of Climatic Change in Soil Chemistry. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-13.
65. Rooney*, E., M.I. Dragila, A.C. Gallo*, **J.A. Hatten**, O. Qafoku, L. Reno, M.D. SanClements, T. Varga, A. Buchko and R. Lybrand. 2019. Impact of Freeze-Thaw Cycles on Porosity in Permafrost-Affected Soils. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-13.
64. Weiglein*, T., B.D. Strahm, M.D. SanClements, A.C. Gallo*, **J.A. Hatten**, K. Heckman, L.E. Nave, L. Matosziuk*, and A.R. Possinger. 2019. Predictors of Soil Organic Matter Vulnerability to Decomposition in Mineral Horizons from a Continental-Scale Sample Set. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-13.

63. Ruud, D., K.D. Bladon, **Hatten, J.A.**, M.D. SanClements, B.D. Strahm, L.M. Matosziuk, and J. Egan. 2019. Effects of wildfire on soil hydraulic properties in an Appalachian hardwood forest. Oregon State University Honors College Thesis Fair. Corvallis, Oregon. May 31.
62. Bladon, K.D., R.P. Cole*, J.W. Wagenbrenner, **J.A. Hatten**, and D. Coe. 2019. Wildfire and post-fire forest management impacts on soil hydraulic properties, runoff, erosion, and vegetation recovery. Soil Science Society of America International Soils Meeting. Jan. 6–9, 2019. San Diego, CA.
61. **Hatten, J.A.**, L. Matosziuk*, A. Gallo*, K. Heckman, K.D. Bladon, L.E. Nave, B.D. Strahm, T. Weiglein*, J. Egan, M. Bowman, and R. Stewart. 2019. Fire Effects on Soil Organic Matter in a Southern Appalachian Hardwood Forest: Connecting the Movement of Fire-Altered Organic Matter in Soil and Aquatic Systems. Soil Science Society of America Annual Meeting, San Diego, California. January 6-9.
60. Ruud, D., Bladon, K.D., **Hatten, J.A.**, SanClements, M.D., Strahm, B.D., Matosziuk*, L.M., and Egan, J. 2018. The effects of wildfire on soil hydraulic properties and organic matter in an Appalachian hardwood forest. American Geophysical Union Fall Meeting. Dec. 10–14, 2018, Washington, DC.
59. **Hatten, J.A.** 2018. Soils and soil carbon: Current projects and future possibilities at HJA. H.J. Andrews Monthly Meeting. Corvallis, Oregon. December 7, 2018.
58. **Hatten, J.A.**, D. Frey*, Y. Lan, G. Ritóková, and D. Shaw. 2018. Modeling the severity and impact of Swiss needle cast in Douglas-fir from soil and climate variables in coastal Western Oregon and Southwest Washington, USA. Swiss Needle Cast Cooperative Annual Meeting. Corvallis, Oregon. December 6, 2018.
57. Lan, Y., G. Ritóková, D. Shaw, and **J.A. Hatten**. 2018. Associations between SNC severity and foliar nutrients in young-growth Douglas-fir in coastal western Oregon and southwestern Washington. Swiss Needle Cast Cooperative Annual Meeting. Corvallis, Oregon. December 6, 2018.
56. Shaw, D., Y. Lan, G. Ritóková, and **J.A. Hatten**. 2018. Associations between SNC severity and climate factors in young-growth Douglas-fir in coastal western Oregon and southwestern Washington. Swiss Needle Cast Cooperative Annual Meeting. Corvallis, Oregon. December 6, 2018.
55. Bladon, K.D., **Hatten, J.A.**, SanClements, M.D., Strahm, B.D., Matosziuk*, L.M., Egan, J., and Ruud, D. 2018. Wildfire effects on soil hydraulic properties and organic matter in a southern Appalachian hardwood forest. The Fire Continuum Conference: Preparing for the Future of Wildland Fire. May 21–24, 2018, Missoula, MT.
54. Heckman, K.A., A. Gallo*, **J.A. Hatten**, C. Swanston, D.M. McKnight, B.D. Strahm, and M. SanClements. 2017. Assessing Soil Organic C Stability at the Continental Scale: An Analysis of Soil C and Radiocarbon Profiles Across the NEON Sites. American Geophysical Union Fall Meeting, New Orleans, Louisiana. December 11-15. (*Oral*)

53. Gallo*, A., **J. Hatten**, S. Holub, and K. Lajtha. 2017. Does root carbon from harvested trees replace mineral carbon? Effects of LTSP treatments in a western Oregon Douglas-fir forest. Soil Science Society of America Annual Meeting, Tampa, Florida. October 22-25. (*Oral*)
52. Matosziuk*, L. M. and **Hatten, J. A.** 2017. Black carbon content in a ponderosa pine forest of eastern Oregon with varying seasons and intervals of prescribed burns. Soil Science Society of America Annual Meeting, Tampa, Florida. October 22-25. (*Oral*)
51. Frey*, D. W., J.A. **Hatten**, M.G. Betts, and T.S. Stokely. 2017. Top-down effects of wildlife and bottom-up drivers of soils on productivity in intensively managed forest plantations. Soil Science Society of America Annual Meeting, Tampa, Florida. October 22-25. (*Oral*)
50. **Hatten, J.A.**, A. Gallo*, K. Meyer, S. Holub, E. Sucre, J. Mack*, and A. Boča*. 2017. Do residual roots and stumps mitigate mineral soil carbon loss?: An examination of harvesting and organic matter removal experiments across a range of forest types. 125th Annual Congress of the International Union of Forestry Research Organizations. Freiburg, Germany September 18-22. (*Oral*)
49. Gallo*, A., **J. Hatten**, S. Holub, and K. Lajtha. 2016. Does root carbon from harvested trees replace mineral carbon? Effects of LTSP treatments in a western Oregon Douglas-fir forest. American Geophysical Union Fall Meeting, San Francisco, California. December 12-16. (*Oral*)
48. Gray, A., G.B. Pasternack, E.B. Watson, J.A. Warrick, **J.A. Hatten**, and M.A. Goñi. 2016. Wildfire vs. Agricultural Operations: A Tale of Overprinted Disturbance Regimes. American Geophysical Union Fall Meeting, San Francisco, California. December 12-16. (*Oral*)
47. **Hatten J.A.**, M. Goñi, A. Gray, G. Pasternack, J. Warrick, E. Watson, and R. Wheatcroft. 2016. Role of wildfire in controlling the source and flux of particulate organic carbon from a small, mountainous, semi-arid watershed. American Geophysical Union Fall Meeting, San Francisco, California. December 12-16. (*Oral*)
46. Frey*, D., **Hatten, J.**, Stokely, T. and Betts, M. 2016. Top down effects of wildlife and bottom-up drivers of soils and productivity in intensively managed forest plantations. Vegetation Management Research Cooperative Annual Meeting. Corvallis, Oregon. December 1. (*Oral*)
45. **Hatten, J.A.** 2016. Determining the role of soils in affecting Swiss needle cast severity. Swiss Needle Cast Cooperative Annual Meeting. Corvallis, Oregon. November 30. (*Oral*)
44. Gallo*, A.C., **J.A. Hatten**, and S. Holub. 2016. Does Root Carbon from Harvested Trees Replace Mineral Carbon? Effects of LTSP Treatments in a Western Oregon Douglas-fir Forest. Soil Science Society of America Annual Meeting. Phoenix, Arizona. November 6-9. (*Oral*)

43. Holub, S.M., N.A. Meehan, **J.A. Hatten**, and A.C. Gallo*. 2016. Organic Matter Removal and Soil Compaction Have Unexpected Results on Subsequent Tree Growth Early in a Douglas-fir Rotation in the Oregon Cascades. Phoenix, Arizona. November 6-9. *(Oral)*
42. Gallo*, A. 2016. Long-term soil productivity in the Oregon Cascades, OSU College of Forestry Board of Directors Meeting, October 24, Corvallis, OR
41. Guerrero*, F. J., V. Penaranda & **J. A. Hatten**. 2016. Information theory and the assessment of hydrological change in freshwater ecosystems. Society for Freshwater Science Annual Meeting, Sacramento Convention Center, Sacramento, California. May 21-26. *(Oral)*
40. Guerrero*, F. J. & **J. A. Hatten**. 2016. Decoding watershed history from environmental records. H. J. Andrews Experimental Forest Long-Term Ecological Research (LTER) 2016 Symposium: "Stories Only Time Can Tell". Corvallis, Oregon. May 13. *(Oral)*
39. Guerrero* F.J., **J.A. Hatten** , B. Ruddell, V. Penaranda, and P. Murillo. 2015. Reconstructing Historical Changes in Watersheds from Environmental Records: An Information Theory Approach. American Geophysical Union Fall Meeting. San Francisco, California. December 16-19. *(Oral)* Outstanding Student Presentation Award Winner.
38. Richardson*, K., **J.A. Hatten**, R. Wheatcroft, F.J. Guerrero-Bolaño*. 2015. The Role of Forest Harvest Practices and Extreme Events on the Sedimentation of an Oregon Coast Range Lake. American Fisheries Society Annual Meeting. Portland, OR. August 16-20, 2015. *(Oral)*
37. Guerrero*, F., **J.A. Hatten**. 2015. Reconstructing Watershed History From a Sedimentary Hard-Drive. Scholars' Insights Three-Minute Thesis Competition. Portland, Oregon. May 16, 2015. *(Oral)*
36. Guerrero*, F., **J.A. Hatten**. 2015. Reconstructing Watershed History From a Sedimentary Hard-Drive. Scholars' Insights Three-Minute Thesis Competition. Corvallis, Oregon. May 6, 2015. *(Oral)* First Place presentation for Oregon State University \$1000 cash prize.
35. Gallo*, A., **J.A. Hatten**. 2015. Biophysical responses in soil following intensive biomass removal. Western Forestry Graduate Research Symposium. Corvallis, Oregon. April 27-28, 2015. *(Oral)* Best overall oral presentation
34. Richardson*, K., **J.A. Hatten**, and R. Wheatcroft. 2015. Role of storms and forestry practices in sedimentation in an Oregon Coast Range Lake. Western Forestry Graduate Research Symposium. Corvallis, Oregon. April 27-28, 2015. *(Oral)* Best overall oral presentation in FERM department
33. Guerrero, F., **J.A. Hatten**. 2015. From molecules to watersheds: hydrobiogeochemical signals of watershed responses to disturbances. 5th Annual Water Research Symposium. Corvallis, Oregon. April 26-28, 2015. *(Oral)*

32. Gallo*, A., **J.A. Hatten**. 2015. Immediate response mechanisms to account for sustained tree growth following intensive biomass removal on LTSP sites. Northwest Forest Soils Council. Hood River, Oregon. March 14, 2015. *(Oral)*
31. Krapfl*, K.J., S.D Roberts, **J.A. Hatten**, R.J. Rousseau, B.S. Baldwin, M.W. Shankle. 2015. Making the case for intercropping loblolly pine within newly established switchgrass stands. Sun Grant Conference. Auburn, Alabama. February 2-4, 2015. *(Oral)*
30. Krapfl*, K.J., S.D Roberts, **J.A. Hatten**, R.J. Rousseau, B.S. Baldwin, M.W. Shankle. 2015. Soil resource dynamics of a loblolly pine – switchgrass intercropping system. Sun Grant Conference. Auburn, Alabama. February 2-4, 2015. *(Oral)*
29. Nave, L., **J. Hatten**, B. Strahm, M. SanClements, K. Heckman, C. Swanston, and D. McKnight 2014. A continental-scale assessment of linkages between SOM stabilization mechanisms, controls and vulnerability. American Geophysical Union Fall Meeting. San Francisco, California. December 16-19. *(Oral)*
28. Nave, L., **J. Hatten**, B. Strahm, M. SanClements, K. Heckman, C. Swanston, and D. McKnight 2014. A continental-scale assessment of linkages between SOM stabilization mechanisms, controls and vulnerability. Soil Science Society of America Annual Meeting. Long Beach, California. November 4-6. *(Oral)*
27. Holub, S., R. Harrison, and **J. Hatten**. 2014. How do removals affect long-term productivity?: Long-term Soil Productivity (LTSP) studies. Northwest Advanced Renewables Annual Meeting. Seatac, Washington. September 16-18. *(Oral)*
26. Guerrero*, F.J., **J.A. Hatten**, and M. Harmon. 2014. Does thinning promote forest resilience? Uncertainties revealed by a biogeochemical modeling approach. Western Forestry Graduate Research Symposium. Corvallis, Oregon. April 21-22. *(Oral)*
25. Krapfl*, K., **J. Hatten**, and S. Roberts. 2013. Biochar As a Temperate Amendment and Its Function Across a Soil Resource Gradient. Soil Science Society of America Conference. Tampa, Florida. November 3-6, 2013. *(Oral)*
24. **Hatten, J.A.** J. E. Sloan*, B. Frey, and Y. Ouyang. 2013. Controls on soil carbon and nitrogen across red oak dominated sites in bottomland forests of the Mississippi Alluvial Valley and Interior Flatwoods. North American Forest Soils Conference, Whitefish, Montana. June 16-20. *(Oral)*
23. **Hatten, J.**, E. Sucre, Z. Leggett, J. Mack*, J. Zerpa, S. Roberts, B. Strahm. 2013. Explaining the Apparent Resiliency of Loblolly Pine Plantation to Organic Matter Removal. Biannual Southern Silviculture Conference. Shreveport, Louisiana. March 4-7. *(Oral)*
22. **Hatten, J.** 2013. Role of landuse and BMPs in reducing the effect of extreme magnitude events on sediment and pollutant transport. EPA Research Forum: Extreme Event Impacts on Air Quality and Water Quality with a Changing Global Climate. Crystal City, Virginia. February 27, 2013. *(Oral)*

21. Krapfl*, K., **J. Hatten**, and S. Roberts. 2012 Belowground Competitive Interactions within Pine-Switchgrass Co-Culture. Soil Science Society of America Conference. Cincinnati, Ohio. October 22-24. (*Oral*)
20. **Hatten, J.**, E. Sucre, Z. Leggett, J. Mack*, J. Zerpa, S. Roberts, B. Strahm. 2012. Explaining the Apparent Resiliency of Loblolly Pine Plantation to Organic Matter Removal. Soil Science Society of America Conference. Cincinnati, Ohio. October 22-24. (*Oral*)
19. Krapfl*, K., S. Roberts, and **J. Hatten**. 2012. Belowground competitive interactions within loblolly pine-switchgrass co-culture. Sun Grant National Conference. New Orleans, Louisiana. October 2-5. (*Oral*)
18. Roberts, S., B. Baldwin, R. Rousseau, **J. Hatten**, M. Shankle, K. Krapfl*, J. Rushing. 2012. Early treatment-related competitive effects in a loblolly pine – switchgrass co-culture system. Sun Grant National Conference. New Orleans, Louisiana. October 2-5. (*Oral*)
17. **Hatten, J.A.**, J. Dewey*, C. Mangum*, and B. Choi*. 2012. Sources and yield of particulate organic carbon and nitrogen in managed headwaters of Mississippi. Mississippi Water Resources Conference. Jackson, Mississippi. April 3-4. (*Oral*)
16. Mangum, C.*, **Hatten, J.A.**, J. Dewey*, and B. Choi*. 2012. Sources and yield of dissolved inorganic and organic constituents in headwater streams of the Upper Gulf Coastal Plain, Mississippi. Mississippi Water Resources Conference. Jackson, Mississippi. April 3-4. (*Oral*)
15. Dewey*, J., **J.A. Hatten**, C. Mangum*, and B. Choi*. 2011. Sources, sinks and yield of organic constituents in managed headwaters of Mississippi. Soil Science Society of America Conference, San Antonio, Texas. October 16-19. (*Oral*)
14. **Hatten, J.A.**, J. Mack*, J. Dewey*, and E. Sucre. 2011. Effect of variable organic matter retention on soil organic matter composition in a southern loblolly pine plantation. Soil Science Society of America Conference, San Antonio, Texas. (Best Paper of Session) October 16-19. (*Oral*)
13. Mack*. J., **J.A. Hatten**, J. Dewey*, and E. Sucre. 2011. The effect of variable organic matter on stand productivity and soil nutrients in southern loblolly pine plantation. Soil Science Society of America Conference, San Antonio, Texas. October 16-19. (*Oral*)
12. Khanal*, S., P.B. Parajuli, and **J.A. Hatten**. 2011. Evaluating the hydrological effect of forest harvesting in the Upper Pearl River Watershed, Mississippi. The American Society of Agricultural and Biological Engineers Annual International Meeting. Louisville, Kentucky, August 7-10. (*Oral*)
11. Warrick. J.A., **J. A. Hatten**, A. B. Gray, E.B. Watson, G. B. Pasternack, M. A. Goñi, and R. A. Wheatcroft. 2010. The effects of fire-flood events on the sediment yield of a coastal California watershed. American Geophysical Union Fall Meeting. San Francisco, California. December 13-17. (*Oral*)
10. **Hatten, J.A.**, Dewey*, J., C. Mangum*, B. Choi*, and D. Brasher*. 2010. Sediment, particulate organic carbon, and particulate nitrogen transport in ephemeral and

- perennial streams of the Upper Coastal Plain Mississippi. Mississippi Water Resources Conference. Bay St. Louis, Mississippi. November 2-4. (*Oral*)
9. Goñi, M.A., **J.A. Hatten**, R.A. Wheatcroft, J. Borgeld, G. Pasternack, A. Gray, E. Watson, 2010. Hydroclimatic and geomorphic controls on particulate organic matter in small mountainous rivers. Goldschmidt Conference. Knoxville, TN. June 13-18. (*Oral*)
 8. **Hatten, J.A.**, Dewey*, J., C. Mangum*, B. Choi*, and D. Brasher*. 2010. Sediment, particulate organic carbon, and particulate nitrogen transport in ephemeral and perennial streams of the Upper Coastal Plain Mississippi. Mississippi State University. College of Forest Resources Advisory Board Meeting. Starkville, Mississippi. November 9-10. (*Oral*)
 7. **Hatten, J.A.**, M. Goñi, R. Wheatcroft, and A. Pakenham. 2008. Organic matter characteristics and variability of flood deposited sediments from a small mountainous river in the Oregon Coast Range. Soil Science Society of America Conference, Houston, Texas. October 5-9. (*Oral*)
 6. **Hatten, J.A.**, M. Goñi, R. Wheatcroft, and A. Pakenham. 2008. Discharge and deposition of particulate organic carbon and nitrogen by the Alsea River Fall 2007 Finals Week Flood: A soil scientists perspective. COAS Biogeochemistry Seminar, Corvallis, Oregon. May 8. (*Oral*)
 5. **Hatten, J.A.** and D. Zabowski. 2007. Fire severity effects on soil organic matter: Carbon mineralization and decomposition products. Soil Science Society of America Conference, New Orleans, Louisiana. (Best Paper of Session). November 4-8. (*Oral*)
 4. **Hatten, J.A.**, and D. Zabowski. 2006. Fire severity effects on soil organic matter. Soil Science Society of America Conference, Indianapolis, Indiana. November 12-16. (*Oral*)
 3. **Hatten, J.A.**, and D. Zabowski. 2006. Fire severity effects on the mineralization of soil organic matter. Soil Science Society of America Conference, Indianapolis, Indiana. November 12-16. (*Oral*)
 2. **Hatten, J.A.** 2006. Thinning and prescribed burning effects on the soils of ponderosa pine/Douglas-fir forest in Mission Creek, Washington. Northwest Forest Soils Council Summer Field Tour, Okanogan, Washington. August 7-9. (*Oral*)
 1. **Hatten, J.A.**, and D. Zabowski. 2005. Prescribed fire effects on soil organic matter in a ponderosa pine forest. Soil Science Society of America Conference, Salt Lake City, Utah. November 7-10. (*Oral*)

Poster

69. Bladon, K.D., C. Segura, **J.A. Hatten**, and D. Warren. 2019. The Alsea Watershed Study – Original and Revisited. American Geophysical Union Fall Meeting. San Francisco, California. December 9-13.

68. Possinger, A.R., B.D. Strahm, T. Weiglein*, M. Bowman, A.C. Gallo*, **J.A. Hatten**, K. Heckman, L.E. Nave and M.D. SanClements. 2019. Linking Carbon and Nitrogen Speciation with Soil Organic Matter Persistence at the Continental Scale. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-13.
67. Ritokova, G., D. Shaw, Y. Lan, **J.A. Hatten**, and R Comeleo. Needle retention in Oregon Coast Range Douglas-fir plantations across elevation and foliage disease gradients. Society of American Foresters Annual Meeting, Portland, Oregon. October 3-7, 2018.
66. Gallo*, A., **J.A. Hatten**, and S. Holub. Root carbon contributions are uniform across intensive biomass removal treatments in a western Oregon Douglas-fir forest. North American Forest Soils Conference. Quebec City. June 10-16, 2018.
65. **Hatten, J.A.**, B. Kerns, J. Bailey, M. Day, L. Matosziuk*, D. Westlind, D. Zabowski, and A. Gallo*. The effects of 17 years of repeated prescribed fires on soils in a ponderosa pine forest: Do season and interval of burn matter?. North American Forest Soils Conference. Quebec City. June 10-16, 2018.
64. Holub, S.M. and **J.A. Hatten**. Modern Timber Harvesting Practices Have Little Short-Term Effect on Soil Carbon Stores in Industrial Forests of Western Oregon and Washington, U.S.A. North American Forest Soils Conference. Quebec City. June 10-16, 2018.
63. SanClements, M., M Bowman, A. Gallo*, **J. Hatten**, K. Heckman, L. Nave, and B. Strahm. Evaluating a Solid Phase Fluorescence Approach to the Study of Soil Organic Matter. North American Forest Soils Conference. Quebec City. June 10-16, 2018.
62. Weiglein*, T., B. Strahm, M. SanClements, A. Gallo*, **J. Hatten**, K. Heckman, and L. Nave. A continental-scale investigation of the relationship between the temperature sensitivity of soil organic matter decomposition and the distribution of organic carbon among soil density fractions. North American Forest Soils Conference-International Symposium on Forest Soils, Quebec City, Quebec, Canada. June 10-16, 2018.
61. **Hatten, J.A.**, D. Frey*, B. Morrissette*, K. Myer*, C. Jorgensen*, Y. Alleau*, K. Jarecke*, M. Harmon, S. Perakis, J. Pett-Ridge, A. Gallo*, and L. Matosziuk*. Long-term soil measurement program at the H.J. Andrews Experimental Forest. H.J. Andrews Annual Poster Session. Corvallis, Oregon. June 1, 2018.
60. Matosziuk*, L. M., **J.A. Hatten**, A. Gallo*, K. Heckman, L. Nave, M. SanClements, B. Strahm, T. Weiglein*. 2017. Fire Effects on Soil and Dissolved Organic Matter in a Southern Appalachian Hardwood Forest: Movement of Fire-Altered Organic Matter Across the Terrestrial-Aquatic Interface Following the Great Smoky Mountains National Park Fire of 2016. American Geophysical Union Fall Meeting, New Orleans, Louisiana. December 11-15. (Poster)
59. Guerrero*, F.J., K. Richardson*, and **J.A. Hatten**. 2017. Resilience in Source to Sink Systems: A Millennial Record of Watershed Responses to Disturbance in

- Loon Lake, Umpqua River Basin, Oregon. American Geophysical Union Fall Meeting, New Orleans, Louisiana. December 11-15. (Poster)
58. Holub S.M. and **J.A. Hatten**. 2017. Modern Timber Harvesting Practices Have Little Short-Term Effect on Soil Carbon Stores in Industrial Forests of Western Oregon and Washington, U.S.A. American Geophysical Union Fall Meeting, New Orleans, Louisiana. December 11-15. (Poster)
57. Matosziuk*, L., A. Gallo*, **J.A. Hatten**, K.A. Heckman, L.E. Nave, M. SanClements, B.D. Strahm, and T. Weiglein*. 2017. Fire Effects on Soil and Dissolved Organic Matter in a Southern Appalachian Hardwood Forest: Movement of Fire-Altered Organic Matter Across the Terrestrial-Aquatic Interface Following the Great Smoky Mountains National Park Fire of 2016. American Geophysical Union Fall Meeting, New Orleans, Louisiana. December 11-15. (Poster)
56. Weiglan*, T., B. Strahm, M. SanClements, A. Gallo*, **J.A. Hatten**, K. Heckman, and L. Nave. 2017. A continental-scale investigation of factors affecting soil organic matter vulnerability to decomposition. Soil Science Society of America Annual Meeting, Tampa, Florida. October 22-25. (Poster)
55. SanClements, M.D., M Bowman*, A.C. Gallo*, J. Hatten, K. Heckman, L.E. Nave, and B. Strahm. Utilizing NEON Resources to Enhance Research in Soil Science. SSoil Science Society of America Annual Meeting, Tampa, Florida. October 22-25. (Poster)
54. Heckman, K.A., A. Gallo*, **J.A. Hatten**, C. Swanston, B.D. Strahm, and M. SanClements. 2016. An analysis of carbon and radiocarbon profiles across a range ecosystems types. American Geophysical Union Fall Meeting, San Francisco, California. December 12-16. (Poster)
53. Holub S.M., and **J.A. Hatten**. 2016. Changes in Soil Carbon Storage in Industrial Forests of Western Oregon and Washington Following Modern Timber Harvesting Practices. American Geophysical Union Fall Meeting, San Francisco, California. December 12-16. (Poster)
52. Matosziuk*, L. M. and **Hatten, J. A.** 2016. Black carbon content in a ponderosa pine forest of eastern Oregon with varying seasons and intervals of prescribed burns. American Geophysical Union Fall Meeting, San Francisco, California. December 12-16. (Poster)
51. Frey*, D., **Hatten, J.**, Stokely, T. and Betts, M. 2016. Effects of the interplay between wildlife, plant communities, decomposition, and soils on productivity in intensively managed forest plantations. Soil Science Society of America Annual Meeting. Phoenix, Arizona. November 6-9. (Poster)
50. Matosziuk*, L. M. and **J.A. Hatten**. 2016. Black carbon content in a ponderosa pine forest of eastern Oregon with varying seasons and intervals of prescribed burns. Soil Science Society of America Annual Meeting, Phoenix, Arizona, November 6-9. (Poster)
49. Heckman, K., **J. Hatten**, L. Nave, D. McKnight, M. SanClements, C. Swanston, B. Strahm, and A. Gallo*. 2016. An assessment of soil organic matter stabilization

mechanisms on a continental scale. NSF Macrosystems PI meeting, Washington D.C., September 27, 2016.

48. Frey*, D., **Hatten, J.**, Stokely, T. and Betts, M. 2016. Effects of the interplay between wildlife, plant communities, decomposition, and soils on productivity in intensively managed forest plantations. Ecological Society of America Annual Meeting. Fort Lauderdale, Florida. August 7-12. (*Poster*)
47. Frey*, D., **Hatten, J.**, Stokely, T. and Betts, M. 2016. Top down effects of wildlife and bottom-up drivers of soils and productivity in intensively managed forest plantations. Western Forestry Graduate Research Symposium. Corvallis, Oregon. April 22. (*Poster*)
46. Matoszuik*, L. M. and **J.A. Hatten**. 2016. Black carbon content in a ponderosa pine forest of eastern Oregon with varying seasons and intervals of prescribed burns. Western Forestry Graduate Research Symposium. Corvallis, Oregon. April 22. (*Poster*)
45. Richardson*, K., **J.A. Hatten**, R. Wheatcroft, F.J. Guerrero*. 2015. Role of storms and forestry practices in sedimentation in an Oregon Coast Range Lake. American Geophysical Union Fall Meeting. San Francisco, California. December 16-19. (*Poster*)
44. **Hatten, J.A.**, A.C. Gallo, and S.M. Holub, 2015. Soil Organic Matter Dynamics in an Intensively Managed Douglas-fir Forest. Soil Science Society of America Annual Meeting. Minneapolis, Minnesota. November 15-18. (*Poster*)
43. Guerrero* F.J., **J.A. Hatten**. 2015. Constraining uncertainties in long-term particulate organic matter exports by headwater streams. 2015 LTER ASM. From Long-term Data to Understanding: Toward a Predictive Ecology. Estes Park, CO. August 30 - September 2. (*Poster*)
42. Guerrero*, F.J., **J.A. Hatten**. 2015. A Compass for Nature? Entropy in Watershed Responses to Disturbances. American Fisheries Society Annual Meeting. Portland, OR. August 16-20, 2015. (*Poster*)
41. Richardson*, K., **J.A. Hatten**, and R. Wheatcroft. 2015. The role of forest harvest practices and extreme events on the sedimentation of an Oregon Coast Range lake. 5th Annual Water Research Symposium. Corvallis, Oregon. April 26-28, 2015. (*Poster*)
40. Krapfl*, K.J., S.D Roberts, **J.A. Hatten**, R.J. Rousseau, B.S. Baldwin, M.W. Shankle. 2015. The role of soil amendments in mitigating competition between loblolly pine and switchgrass. Sun Grant Conference. Auburn, Alabama. February 2-4, 2015. (*Poster*)
39. **Hatten, J.A.**, A.Z. Shaman*, S.D. Roberts, K.J. Krapfl*, J.C. Dewey*, and K.S. McNeal. 2014. The role of tree species and soil moisture in soil organic matter stabilization and destabilization. American Geophysical Union Fall Meeting. San Francisco, California. December 16-19. (*Poster*)
38. Gallo*, A., **J.A. Hatten**. 2014. Immediate response mechanisms to account for sustained tree growth following intensive biomass removal on Long-Term Soil

- Productivity (LTSP) sites. Soil Science Society of America Annual Meeting. Long Beach, California. November 3-6. (*Poster*)
37. **Hatten, J.A.**, A.Z. Shaman*, S.D. Roberts, K.J. Krapfl*, J.C. Dewey*, and K.S. McNeal. 2014. The effect of tree species and soil moisture on soil lignin biomarkers. Soil Science Society of America Annual Meeting. Long Beach, California. November 4-6. (*Poster*)
 36. **Shaman, A.Z.***, and **J.A. Hatten**, S.D. Roberts, K.J. Krapfl*, J.C. Dewey*, and K.S. McNeal. 2014. Characterization of lignin biomarkers in planted and plant-free pots. Society of American Foresters and the International Union of Forest Research Organizations, Salt Lake City, Utah. October 5-11. (*Poster*)
 35. **Shaman, A.Z.*** and **J.A. Hatten**. 2014. Characterization of soil organic matter in planted and plant-free pots. Mississippi State University Graduate School Summer Undergraduate Research Symposium, Starkville, Mississippi. June 24. (*Poster*)
 34. **Holub, S.**, N. Meehan, R. Meade, G. Johnson, R. Harrison, M. Menegale, **J. Hatten**, and A. Gallo*. 2014. NARA Long-term Soil Productivity (LTSP) Project – 2014 Update. Northwest Advanced Renewables Annual Meeting. Seatac, Washington. September 16-18. (*Poster*)
 33. **Gallo*, A.**, **J.A. Hatten**. 2014. Long-term soil productivity on managed forests: Mechanisms of apparent resilience after intensive biomass removal. Western Forestry Graduate Research Symposium. Corvallis, Oregon. April 21-22. (*Poster*)
 32. **Richardson*, K.**, **J.A. Hatten**, R. Wheatcroft, and F.J. Guerrero*. 2014. Effect of timber harvest, changes in forestry practices, and natural disturbances on erosion as measured by lacustrine deposits. Western Forestry Graduate Research Symposium. Corvallis, Oregon. April 21-22. (*Poster*)
 31. **Taylor*, M.**, **J.A. Hatten**. 2014. Geostatistical Methods to Better Characterize Chemical Soil Properties of PNW Forest Stands At the Sub-Plot Level. Western Forestry Graduate Research Symposium. Corvallis, Oregon. April 21-22. (*Poster*)
 30. **Hatten, J.A.**, J. Mack*, S. Roberts, E. Sucre, Z. Leggett, J. Dewey*. 2013. Effect of Forest Harvest Residue Manipulations on Soil Organic Matter Content and Composition of a Loblolly Pine Plantation in the Southeastern United States. American Geophysical Union Fall Meeting. San Francisco, California. December 9-15. (*Poster*)
 29. **Krapfl*, K.**, **J.A. Hatten**, S.D. Roberts. 2011. Competition for soil moisture beneath co-cultures of loblolly pine and switchgrass. Mississippi State University Bioenergy Conference. Starkville, Mississippi, October 5-7. (*Poster*)
 28. **Richardson* K.N.**, R.A. Wheatcroft, **J.A. Hatten**, F.J. Guerrero*. 2013. Loon Lake, Umpqua River Basin: What Tales Do the Sediments Tell? Poster presented at Water Resources Research Symposium sponsored by the Water Resources Graduate Program at Oregon State University, Corvallis, Oregon. (Best Poster Presentation for Water Resources Science) May 13, 2013. (*Poster*)

27. **Hatten, J.A.**, K McNeal, C. McLaurin*, C. Templeton. S. Roberts. and J. Dewey*. 2013. Exploratory Research - Vola tile organic compounds as indicators of belowground processes: Partitioning heterotrophic and autotrophic forest soil respiration. Terrestrial Ecosystem Sciences Principle Investigator Meeting. Bethesda, Maryland., May 14-16. (*Poster*)
26. **Guerrero***, F.J., and **J.A. Hatten**. 2013. Organic carbon dynamics in fluvial hydrosystems: a network perspective in the face of climate change. 4th Annual Bretz Club Conference & Field Trip April 26-27. Oregon Institute of Marine Biology, Charleston, Oregon. (*Poster*)
25. **Guerrero***, F.J. and **J.A. Hatten**. 2013. Organic carbon dynamics in fluvial hydrosystems: a network perspective in the face of climate change. Western Forestry Research Symposium-Canopies to construction: the ecology, management and use of tomorrow's forests. April 22-23. College of Forestry- Oregon State University, Corvallis, Oregon. (*Poster*)
24. **Dewey***, J., **J.A. Hatten**, S. Roberts, and K. McNeal. 2012. Using volatile organic compounds to separate heterotrophic and autotrophic forest soil respiration. Terrestrial Ecosystem Sciences Principle Investigator Meeting. Washington, D.C., April 23-24. (*Poster*)
23. **Hatten, J.A.**, J. Mack*, J. Dewey*, E. Sucre, and Z. Leggett. 2012. Effect of O horizon and forest harvest residue manipulations on soil organic matter content and composition of a loblolly pine plantation in the Southeastern United States. European Geosciences Union General Assembly 2012. Vienna, Austria, April 22-27. (*Poster*)
22. **Sloan***, J. and **J.A. Hatten**. 2012. Hydrologic regimes of bottomland hardwood forests in the Mississippi Alluvial Valley and Gulf Coastal Plain and the impact on red oak acorn production. Mississippi Water Resources Conference. Jackson, Mississippi. April 3-4. (*Poster*)
21. **Sloan***, J. and **J.A. Hatten**, R. M. Kaminski, A.W. Ezell, J.N. Straub. 2012. Relationship of hydrological and soil conditions to red oak acorn production in bottomland hardwood forests in the lower Mississippi Alluvial Valley and Interior Flatwoods. Southern Hardwood Forest Research Group Meeting. Stoneville, MS. February 16, 2012. (*Poster*)
20. **Mangum***, C.N., **J. A. Hatten**, J. Dewey*, and B. Choi*. 2011. Sources and yield of dissolved inorganic and organic nitrogen in headwater streams of the Upper Gulf Coastal Plain, Mississippi. American Geophysical Union Fall Meeting. San Francisco, California. December 5-9. (*Poster*)
19. Choi*, B., **J.A. Hatten**, C.N. Mangum*, J. Dewey*, M.A. Goñi, and R.A. Wheatcroft. 2011. Source and export of particulate nitrogen in forested catchments: Two case studies from the Oregon Coast Range and Gulf Coastal Plain. American Geophysical Union Fall Meeting. San Francisco, California. December 5-9. (*Poster*)
18. **Hatten, J.A.**, J.A. Warrick, M.A. Goñi, R.A. Wheatcroft, G.B. Pasternack, A.B. Gray; E.B. Watson. 2011. The role of wildfire in the export of particulate organic carbon

- from a small mountainous river. American Geophysical Union Fall Meeting. San Francisco, California. December 5-9. (*Poster*)
17. Brewer*, N., A.M. Smith, P.E. Higuera, **J.A. Hatten**, A.T. Hudak, R.D. Ottmar. 2011. Effects of repeated burning and fuel moisture on black carbon production in masticated fuelbeds. American Geophysical Union Fall Meeting. San Francisco, California. December 5-9. (*Poster*)
 16. Krapfl*, K. J., **J. A. Hatten**, and S. D. Roberts. 2011. Early competition for soil resources beneath dual-cropped loblolly pine and switchgrass plantations. Soil Science Society of America Conference, San Antonio, Texas. October 16-19. (*Poster*)
 15. Krapfl*, K. J., S. D. Roberts, and **J. A. Hatten**. 2011. Assessing early competition between loblolly pine and switchgrass when grown in co-culture. Southeastern Natural Resources Graduate Student Symposium. Starkville, Mississippi. March 2-4. (*Poster*)
 14. Mack*. J., **J.A. Hatten**, J. Dewey*, and E. Sucre. 2011. The effect of variable organic matter on stand productivity and soil nutrients in a southern loblolly pine plantation. Southeastern Natural Resource Graduate Student Symposium. Starkville, Mississippi. March 2-4. (*Poster*)
 13. Mangum*, C., **J.A. Hatten**, J. Dewey*, and B. Choi*. 2011 Headwater sources, sinks, and yield of organic constituents in managed headwaters. Southeastern Natural Resource Graduate Student Symposium. Starkville, Mississippi. March 2-4. (*Poster*)
 12. **Hatten, J.A.**, M. A. Goñi, R. A. Wheatcroft, J. C. Borgeld, J. S. Padgett, G. B. Pasternack, A. B. Gray, E. B. Watson, and J. A. Warrick. 2010. Watershed fire regime effects on particulate organic carbon composition in Oregon and California Coast Range rivers. American Geophysical Union Fall Meeting. San Francisco, California. December 13-17. (*Poster*)
 11. **Hatten, J.A.**, M.A. Goñi, R.A. Wheatcroft, J. Borgeld, A. Williamson, J. Padgett, G. Pasternack, A. Gray, E. Watson. 2009. Trends in particulate organic carbon composition in Oregon and California Coast Range rivers. American Geophysical Union Fall Meeting. San Francisco, California. December 14-18. (*Poster*)
 10. **Hatten, J.A.**, and M. Goñi. 2009. Effect of fire on the delivery of particulate organic carbon to the Salinas River, CA. Coastal and Estuarine Research Federation Conference, Portland, Oregon. November 1-5. (*Poster*)
 9. Goñi, M.A., **J.A. Hatten**, E. Mulrooney, R.A. Wheatcroft, J. Borgeld, A. Williamson, J. Padgett, G. Pasternack, A. Gray, E. Watson. 2009. Discharge related trends in concentration and composition of particulate organic matter in rivers draining the coast ranges of Oregon and California: Implications for river-ocean coherence. Coastal and Estuarine Research Federation. Portland, Oregon. November 1-5. (*Poster*)

8. **Hatten, J.A.**, M. Goñi, R Wheatcroft, and A. Pakenham. 2008. Discharge and source of particulate organic carbon and nitrogen from a small mountainous river in the Oregon Coast Range. American Geophysical Union Fall Meeting, San Francisco, California. December 15-19. (*Poster*)
7. **Hatten, J.A.**, and **D. Zabowski**. 2008. Fire effects on soil organic matter quality and soil carbon cycling. North American Forest Soils Conference, Blacksburg, Virginia. June 22-26. (*Poster*)
6. **Hatten, J.A.**, G. Scherer, and D. Zabowski. 2004. Fire intensity and its effects on Soil Organic Matter. Soil Science Society of America Conference, Seattle, Washington and Northwest Forest Soils Council, Vancouver, Washington. February 3. (*Poster*)
5. **Scherer, G.**, D. Zabowski, and **J.A. Hatten**. 2004. Nitrogen cycling in an inland dry-site forest. Soil Science Society of America Conference, Seattle, Washington. November 1-4. (*Poster*)
4. **Hatten, J.A.**, D. Zabowski, and G. Scherer. 2003. Low-intensity lightning caused wildfires and their effects on soils 10th North American Forest Soils Conference, Sault Ste. Marie, Ontario. July 20-24. (*Poster*)
3. **Scherer, G.**, **J.A. Hatten**, E. Dolan, D. Zabowski. 2002. Soil C and N and disturbance in dry, mixed forests of Mission Creek of Central Washington, Northwest Forest Soils Council, Federal Way, Washington. January 24. (*Poster*)
2. **Dolan, E.A.**, D. Zabowski, G. Scherer, **J.A. Hatten**. 2001. Soil horizon spatial patterns as influenced by topography and vegetation, Northwest Forest Soils Council, Portland, Oregon. January 26. (*Poster*)
1. **Scherer, G.**, **J.A. Hatten**, E. Dolan, D. Zabowski. 2001. Soil C and N and disturbance in dry, mixed forests of Mission Creek of Central Washington, Northwest Forest Soils Council, Portland, Oregon. January 26. (*Poster*)

GRANTS AND FUNDING

Year	Institution	No. Submitted Proposals*	No. Proposals Funded	Total Awarded (\$)	Hatten's Share (\$)
2009	MSU	4	1	\$10,000	\$10,000
2010		10	3	\$104,215	\$104,215
2011		10	3	\$412,765	\$286,394
2012		4	2	\$675,267	\$363,257
2013		16	6	\$7,109,148	\$401,448
2014	OSU	12	7	\$2,251,250	\$621,123
2015		8	7	\$915,476	\$433,769
2016		6	4	\$466,555	\$216,555
2017		6	3	\$191,960	\$191,960
2018		5	1	\$19,096	\$19,096
2019		4	2	\$493,800	\$439,280
2020		1	1	\$500,000	\$100,000
Total		86	40	\$13,149,531	\$3,187,096

*Excludes letters of intent, preliminary proposals, white papers, and similar attempts

EXTERNALLY FUNDED COMPETITIVE GRANTS AND CONTRACTS (≥\$10,000)

Title	Role	Agency	Award Amount	Hatten's Share	Date (Duration)
Oregon State University					
Phase III Oregon State University: Center for Advanced Forestry Systems (CAFS)	PI	NSF	\$500,000	\$100,000 (PI changed to Gonzalez after 1 year)	2020 (60 months)
Resistance Or Resilience In Soil Carbon Pools?: Exploring Soil Carbon Dynamics Using A Ubiquitous Forest Organic Matter Removal Experiment	PI	USDA-AFRI	\$485,800	\$485,800	2019 (36 months)
RAPID: Fire Effects on Soil and Aquatic Organic Matter in a Southern Appalachian Hardwood Forest: A Rapid Assessment across the Terrestrial-Aquatic Interface following the Great Smokey National Park Fires of 2016	PI	NSF RAPID	\$159,483	\$159,483	2017 (12+12 month NCE)
Quantifying Tradeoffs and Synergies Between Ecosystem Services and Intensive Forest Management	Co-PI	USDA-AFRI	\$349,402	>\$68,482 ^a	2015 (36 months)
A continental scale assessment of the linkages between soil organic matter stabilization mechanisms, controls and vulnerability	Co-PI	NSF	\$1,810,000	\$542,954	2014 (60 months + 24 month NCE)
Long-Term Ecological Research at the H.J. Andrews Experimental Forest (LTER7)	Senior Personnel	NSF	\$6,762,000	\$54,300	2014 (60 months)
Title	Role	Agency	Award Amount	Hatten's Share	Date (Duration)

Oregon State University (continued)					
Northwest Advanced Renewables Alliance (NARA): A New Vista for Green Fuels, Chemicals and Environmentally Preferred Products	Co-PI	USDA-AFRI	\$5,562,314	\$273,820 ^b	2011 (60 months)
Early Career - Role of landuse and BMPs in reducing the effect of extreme magnitude events on sediment and pollutant transport in the SE US Coastal Plain and Mississippi Alluvial Valley	PI	EPA (STAR)	\$363,257	\$363,257	2012 (36 months)
Effects of Prescribed Burn Regime and Grazing on Eastern Oregon Ponderosa Pine Vegetation and Fuels: The Season and Interval of Burn Study.	Co-PI	Joint Fire Science Program	\$312,010	\$0 ^c	2012 (36 months)
Rapid response to California wildfires: Effect of fire on delivery of organic carbon to the fluvial system	Acting PI (PI-Goñi, OSU)	NSF - SGER	\$52,602	\$52,602	2008 (24 months)
Mississippi State University					
Exploratory research – Using volatile organic compounds to separate heterotrophic and autotrophic forest soil respiration.	PI	US Dept. of Energy	\$149,978	\$149,978	2011 (24 months)
Assessing interspecific competition in a loblolly pine-switchgrass co-culture system for biomass production	Co-PI	Southeast Regional Sun Grant	\$247,787	\$121,416 ^d	2010 (36 months)

^a Hatten's share only includes salary dedicated to myself, but there are funds being put towards data/sample collection to answer soils related questions (i.e. my research program) not included in this total.

^b I collaborated with Weyerhaeuser (NARA member) employees, and was brought on board the NARA project in 2013 after the project had been funded (project year 3).

^c I was an unfunded collaborator on this project, but I do collaborate with Becky Kerns on project directions pertaining to fire effects on soils questions. Some of the funds from this project have been transferred from the USFS to OSU under a JVA.

^d Scott Roberts was PI. I was Co-PI and Co-Major Advisor for PhD student on the project (Krapfl) and I will be first author after Krapfl on half of the manuscripts Therefore I attributed 50% of the total funds to my share.

INTERNALLY FUNDED COMPETITIVE GRANTS (≥\$10,000)

Title	Role	Agency	Award Amount	Hatten's Share	Date (Duration)
Oregon State University					
Quantifying Trade-offs and Synergies Between Ecosystem Services in Intensively Managed Forests	Co-PI	IWFL	\$250,000	\$0	2016 (36 months)
Forest soils as integrators of ecosystems and the Institute for Working Forest Landscapes	PI	IWFL	\$150,000	\$150,000	2015 (36 months)
Bottom-up controls on wildlife and habitat: The role of soil processes in regulating biodiversity in a intensively managed forest	PI	OSU-Fish & Wildlife	\$52,397	\$52,397	2015 (24 months)
Technology to enhance student learning experiences in forest hydrology, soil science, and watershed management	Co-PI	OSU Learning Innovation	\$9,997	\$0	2015 (12 months)
Technical Support and Database Management for Manuscript Preparation: Alsea Watershed Study.	PI	OSU-Fish & Wildlife	\$21,306	\$21,306	2014 (12 months)
Technical Support and Database Management for Manuscript Preparation: Alsea Watershed Study.	PI	OSU-Fish & Wildlife	\$20,970	\$20,970	2013 (12 months)
How Does Harvesting Affect the Source and Quantity of Instream Sediment and How Does that Affect Instream Organisms?	PI	OSU-Fish & Wildlife	\$91,177	\$91,177	2013 (24 months)
Title	Role	Agency	Award Amount	Hatten's Share	Date (Duration)
Oregon State University (continued)					
Purchase of Lachat QuickChem 8500 Series 2 Flow Injection Analyzer	PI	OSU RERF	\$69,033	\$69,033	2013 (12 months)

Mississippi State University					
Sources, sinks, and yield of organic constituents in managed headwaters of the Upper Gulf Coastal Plain of Mississippi	PI	MS Water Resources Research Institute	\$18,167	\$18,167	2010 (12 months)

NON-COMPETITIVE GRANTS AND CONTRACTS (≥\$10,000)

Title	Role	Agency	Award Amount	Hatten's Share	Date (Duration)
Oregon State University					
Amendment: Using sediment-fingerprinting techniques to perform a preliminary analysis of the effects of contemporary harvesting practices on sediment source in the Phase 3 experiment of the Caspar Creek Watershed	PI	CALFIRE	\$19,096	\$19,096	2018 (15 months + 6 month NCE)
Alea Revisited Sediment Analysis and Publication	PI	NCASI	\$31,114	\$31,114	2017 (6 months)
Using sediment-fingerprinting techniques to perform a preliminary analysis of the effects of contemporary harvesting practices on sediment source in the Phase 3 experiment of the Caspar Creek Watershed	PI	CALFIRE	\$63,729	\$63,729	2017 (24 months)
Determining the source of productivity and soil carbon resilience to biomass removal in an intensively managed Douglas-fir plantation	PI	National Council for Air and Stream Improvement	\$34,890	\$34,890	2015 (12 months)
Title	Role	Agency	Award Amount	Hatten's Share	Date (Duration)
Oregon State University (continued)					
Season and interval of burn effects on soil resources in a ponderosa pine ecosystem	Co-PI	USFS	\$190,790	\$0 ^a	2015 (12 months)

Soil Carbon Change Following Harvest Study	Co-PI	National Council for Air and Stream Improvement	\$175,000	\$175,000	2015 (12 months)
Soil Carbon Change Following Harvest Study	Co-PI	Weyerhaeuser Corporation	\$103,000	\$103,000	2015 (12 months)
Ecosystem Processes and Productivity: Biomass and nutrient cycling in the Pacific Northwest	Co-PI	USFS	\$110,432	\$0	2014 (24 months)
Forest nutrition, long-term soil productivity, and soil carbon dynamics in managed forests of Western Oregon and Washington	Co-PI	USDA McIntire-Stennis	\$251,360	\$10,000	2013 (60 months)
Oregon Coast Range Starker Blend Trial	PI	Starker Forests and Cascade Timber Consultants	\$13,057	\$13,057	2013 (60 months)
Determining the role of soils in affecting Swiss needle cast severity	PI	OSU Swiss Needle Cast Cooperative	\$30,780	\$30,780	2014 (36 months)
Source and flux of particulate organic carbon in the HJ Andrews Experimental Forest: An initial examination of the role of timber harvesting and mass wasting	PI	HJA LTER (NSF)	\$25,200	\$25,200	2013 (18 months)
Mississippi State University					
Headwater hydrologic functions in the Upper Gulf Coastal Plain Mississippi	PI	National Council for Air and Stream Improvement	\$15,000	\$15,000	2011 (12 months)
Title	Role	Agency	Award Amount	Hatten's Share	Date (Duration)
Mississippi State University (continued)					
Optimization of southeastern forest biomass crop production: A watershed scale evaluation	PI	Weyerhaeuser Corporation	\$54,354	\$54,354	2010 (12 months)
Effects of varying forest floor and slash retention on	PI	Weyerhaeuser Corporation	\$31,694	\$31,694	2010 (24 months)

soil organic carbon content and composition in a regenerating loblolly pine plantation					
Sources, sinks, and yield of organic constituents in managed headwaters of the Upper Gulf Coastal Plain of Mississippi	PI	Weyerhaeuser Corporation	\$10,000	\$10,000	2010 (12 months)

^a John Bailey PI. Funds are used to support a student that we were Co-Major Advisors (Matosziuk) and we will share authorship on manuscripts developed from this study

PROPOSAL DEVELOPMENT

2014 **College of Forestry Watersheds PoP.** Committee member.

2012 **Investigator and Workshop Participant:** Climate Literacy Partnership in the SouthEast (CLiPSE) Savanna, Georgia. Workshop to develop a NSF proposal to Phase II of the Climate Change Education Partnership (CCEP) Program.

2011 **Investigator and Workshop Participant:** Climate Literacy Partnership in the SouthEast (CLiPSE) Memphis, Tennessee. Workshop to develop a NSF proposal to Phase II of the Climate Change Education Partnership (CCEP) Program.

TEACHING COURSES

FOR206 - Forest Soils Lab for SOIL205 (Spring, 1 credit hour – lab).

Laboratory exercise and field trips designed to develop student competency in soil processes, description, analysis, and assessment with a particular emphasis on the role of soils in managed and unmanaged forest ecosystems.

2020: course excused as part of appointment as Associate Department Head; course taught by PhD Student Adrian Gallo

2019: on sabbatical; course taught by PhD student Adrian Gallo

2018: 42 students in 2 sections, Overall student evaluation 5.4/6 (median)

2017: 46 students in 2 sections, Overall student evaluation 5.5/6 (median)

2016: 46 students in 2 sections, Overall student evaluation 6/6 (median)

2015: 34 students in 2 sections, Overall student evaluation 6/6 (median)

FOR208 - Forest Soils Recitation. (Winter and Spring, 1 credit hour – e-

campus). Readings, exercises, discussions designed to develop student competency in forest soil processes, description, analysis, and assessment. A particular emphasis will be placed on the role of soils in managed and unmanaged forest ecosystems.

2020Sp: 10 students, no student evaluation conducted

2020W: 25 students, Overall student evaluation 5.6/6 (median)

2019Sp: on sabbatical; course taught by PhD student Adrian Gallo

2019W: on sabbatical; course not taught

2018Sp: 9 students, Overall student evaluation 5.6/6 (median)

2018W: 13 students, Overall student evaluation 4.0/6 (median)

2017Sp: 1 student, No student evaluation conducted
2017W: 10 students, Overall student evaluation 4.8/6 (median)
2016W: 4 students, No student evaluation conducted

OSU FOR417/517 – Advanced Forest Soils (Spring, 4 credit hours – lab/lecture). Synthesize current information on nutrient limitations of forest productivity, long-term forest productivity, and mitigating and managing forest nutrition with emphasis on forests of the Pacific Northwest.

2020: 8 students, no student evaluation conducted
2019: on sabbatical; course not taught
2018: 9 Students, Overall student evaluation lecture: 5.8/6 lab: 5.8/6 (median)
2017: on IWFL fellowship; course not taught
2016: 6 Students, Overall student evaluation lecture: 6/6 lab: 5.8/6 (median)
2015: 3 Students, Overall student evaluation lab & lecture: 6/6 (median)
2014: 12 Students, Overall student evaluation lab & lecture: 5.6/6 (median)

OSU FOR518 and FE505 – Managing Forest Nutrition (Spring, 3 credit hours – lecture). Read and discuss current information on managing forest nutrition with emphasis on forests of the Pacific Northwest. Taught every other year.

2020: 4 students, no student evaluation conducted
2019: on sabbatical; course not taught
2017: 5 students, no student evaluation conducted
2015: 3 students, no student evaluation conducted
2014: 1 student, no student evaluation conducted
2013: 4 students, no student evaluation conducted

OSU FOR505 – Managing Forest Soil Carbon (Winter, 3 credit hours – lecture). Read and discuss current information on managing forest soil carbon.

2016: 3 students, no student evaluation conducted

MSU FO3012 – Introduction to Forest Communities (Summer, 2 credit hours – lecture/field/laboratory). Two-week lecture, field, and laboratory course for students to gain practical knowledge of geology-soil-ecology interrelationships across the major physiographic regions of Mississippi. This is a required course for all MSU Forestry Majors as part of a nine week Summer Field Session.

2012: 39 Students, Overall student evaluation 6/6 (median)
2011: 29 Students, Overall student evaluation 6/6 (median)
2010: 20 Students, No student evaluation conducted

MSU FO4463/6463 – Forest Hydrology and Watershed Management (Spring, 3 credit hours – lecture). An overview of the fundamental properties and processes of forest soils, hydrology, and water quality with emphasis on watershed and ecosystem management factors. Course is taught through a combination of lectures, field trips, and student lead discussions and presentations.

2012: 12 Students, Overall student evaluation 6/6 (median)
2011: 12 Students, Overall student evaluation 6/6 (median)
2010: 9 Students, Overall student evaluation 4.8/6 (median)

MSU FO 4483/6483 – Forest Soils (Spring, 3 credit hours – lecture). An overview of the fundamental properties and processes of forest soils with emphasis on applications to silviculture, soil conservation, and sustainable management of forested ecosystems. Course is taught through a combination of lectures, field trips, and student lead discussions and presentations.
2012: 5 Students, Overall student evaluation 6/6 (median)
2011: 4 Students, Overall student evaluation 4.8/6 (median)

DIRECTED INDEPENDENT STUDY

MSU FO7000 –Topics in Forest Hydrology (Summer 2011, 2 credit hours)
MSU FO7000 –Topics in Forest Soils (Spring 2010, 3 credit hours)

GUEST LECTURES (~ 2/yr since 2010)

OSU FOR 312 Forestry Field School. Re-Introduction to Forest Soils.

2018 Instructor of Record: Jim Kiser (OSU – FERM)
2017 Instructor of Record: Jim Kiser (OSU – FERM)
2015 Instructor of Record: Jim Kiser (OSU – FERM)
2014 Instructor of Record: Jim Kiser (OSU – FERM)
2013 Instructor of Record: Jim Kiser (OSU – FERM)

OSU FOR 441 Silviculture. Forest Nutrition.

2018 Instructor of Record: John Bailey (OSU – FERM)
2017 Instructor of Record: John Bailey (OSU – FERM)
2016 Instructor of Record: John Bailey (OSU – FERM)

OSU FOR 550. Sustainable Forest Management. Long Term Site Productivity.

2019 Instructor of Record: Temesgen Hailemariam (OSU – FERM)
2017 Instructor of Record: Darius Adams (OSU – FERM)
2016 Instructor of Record: Darius Adams (OSU – FERM)
2015 Instructor of Record: Darius Adams (OSU – FERM)
2014 Instructor of Record: Hal Salwasser (OSU – FES)
2013 Instructor of Record: Hal Salwasser (OSU – FES)
2012 Instructor of Record: Kerry Grimm (OSU – FERM)

MSU FO 8111 – Graduate Seminar. How to write your Materials and Methods section.

2011 Instructor of record: Scott Roberts (MSU - Forestry)
2010 Instructor of record: Scott Roberts (MSU - Forestry)

MSU WF 8424 – Applied Aquatic Biogeochemistry. Lecture and Discussion: Biogeochemistry of carbon in aquatic systems.

2011 Instructor of record: Robert Kroger (MSU – WFA)

MSU WF 4383/6383 – Wetland Ecology and Management. 2010. Lecture: Wetland soils and biogeochemical cycling. Instructor of record: Rick Kaminski (MSU – Wildlife, Fisheries and Aquaculture)

2011 Instructor of record: Rick Kaminski (MSU – WFA)
2010 Instructor of record: Rick Kaminski (MSU – WFA)

UW CEE 484 - Decentralized and Onsite Wastewater Management and Reuse. 2007. Methods for determining soil texture. Instructors of record: Linda S. Gaulke and H. David Stensel (UW – Civil Engineering)

UW ESRM 478/BIOL 424 - Plant Ecophysiology. 2007. Introduction to soils via plant ecophysiology. Instructor of record: Soo-Hyung Kim (UW – Forest Resources)

CURRICULUM DEVELOPMENT

- 2015 Developed course: FOR505: Managing Forest Soil Carbon. 3 credits. Course Description: Synthesize current information on managing forest soil carbon.
- 2015 Developed course: FOR208: Forest Soils Recitation (e-campus). 1 credit. Course Description: Readings, exercises, discussions designed to develop student competency in forest soil processes, description, analysis, and assessment. A particular emphasis will be placed on the role of soils in managed and unmanaged forest ecosystems.
- 2015 Developed course: FOR206: Forest Soils Lab for SOIL205. 1 credit. Course Description: Laboratory exercise and field trips designed to develop student competency in soil processes, description, analysis, and assessment with a particular emphasis on the role of soils in managed and unmanaged forest ecosystems.
- 2014 Developed course: FOR417/517: Advanced Forest Soils. 4 credits. Course Description: Synthesize current information on fundamental properties and processes of forest soils with emphasis on applications to silviculture, soil conservation, and sustainable management of forested ecosystems.
- 2013 Developed course: FOR518: Managing Forest Nutrition. 3 credits. Course Description: Synthesize current information on nutrient limitations of forest productivity, long-term forest productivity, and mitigating and managing forest nutrition with emphasis on forests of the Pacific Northwest.
- 2013 Developed Lecture on the Fire Effects on Soils for the Workshop: Wildfire and the Arborist (OSU Extension).
- 2013 Facilitated (with Seri Robinson) the refurbishment of Teaching Laboratory for the College of Forestry (Peavy 072)
- 2013 Developed and led workshop for the Green Cities Partnership (Puget Sound area). A group of ecological restoration volunteers titled: Introduction to Soils for Ecological Restoration
- 2012 (MSU) Co-developed New Capstone Course for Natural Resource And Environmental Science Degree: Environmental Assessment (course approved Spring, 2012). Course Description: Two hours lecture and two hours laboratory. Principles of assessing environmental impacts resulting from planned management activities affecting natural resources. Preparation of Environmental Impact Statements (EIS).

ADVISEES

SUPERVISOR (POSTDOCTORAL RESEARCH ASSOCIATES):

2017-2019 Lauren Matosziuk. Oregon State University.
2017-2017 Antra Boča. Oregon State University

MAJOR ADVISOR (GRADUATE):

2020-present Kaliegh Walther (MNR anticipated 2022). Capstone Title: TBD
2020-present Katherine McCool (MSc anticipated 2022). Thesis Title: TBD
2019-present Stephanie Winters (PhD anticipated 2023). Dissertation Title: TBD
2016-present Adrian Gallo (PhD anticipated 2019-CSS, OSU). Dissertation Title: TBD

Awards:

2019 Best Student Oral Presentation in the Soil Chemistry Division at the
Soil Science Society of America Annual Meeting

2013-2016 Adrian Gallo (MS). Oregon State University. SFM. Response of Soil
Temperature, Moisture, and Respiration Two Years Following Intensive
Organic Matter and Compaction Manipulations in Oregon Cascade
Forests.

Publications: 33, 40, 41, 47, 48

Awards:

2015 Western Forestry Graduate Research Symposium, Best overall oral
presentation

2014 College of Forestry Master's Student Fellowship

2013-2014 Rick Strahan Foundation Fellowship

2013-2018 Francisco Guerrero (PhD). Oregon State University. SFM/WRGP.
Biogeochemical Signals of Mountainous Forested Watersheds Response
to Disturbance.

Awards:

2018 American Association for the Advancement of Science Mass Media
Science & Engineering Fellowship

2015 Outstanding Student Presentation Award Winner American
Geophysical Union Fall Meeting

2015 OSU Scholars' Insights Three-Minute Thesis Competition First
Place presentation

2015 College of Forestry PhD Student Fellowship

2014 College of Forestry PhD Student Fellowship

2015-2018 David Frey (MS). Oregon State University. SFM. Thesis Title: Top down
effects of wildlife and bottom-up drivers of soils and productivity in
intensively managed forest plantations

Publications: 45

Awards:

2017 Lee Harris Graduate Student Travel Award

2017 College of Forestry Master's Student Fellowship

2016 OSU Student Sustainability Initiative Professional Development
Grant

2015-2016 Gibbett Hill Foundation Fellowship

2015 College of Forestry Master's Student Fellowship

- 2015-2017 Lauren Matosziuk (MS). Oregon State University (SFM). Thesis Title: Black carbon content in a ponderosa pine forest of eastern Oregon with varying seasons and intervals of prescribed burns
Publications: 34, 37, 40
Awards:
2015-2016 Gibbett Hill Foundation Fellowship
2016 TREE travel grant from the Association of Fire Ecology
2016 Oregon Lottery Graduate Scholarship
- 2012-2014 Maxwell Taylor (MF). Oregon State University. SFM. A review of the current knowledge base, the mathematics governing the statistics, and case studies that start to answer this unknown: What are the advantages and drawbacks of this widely used technique?
- 2011-2013 Jonathan Sloan (MS). Mississippi State University. Role of soil, hydrological, and site characteristics in regulating acorn production in red oak species of the Upper Gulf Coastal Plain and the Mississippi Alluvial Valley.
Publications: 20
- 2010-2012 Jason Mack (MS). Mississippi State University. Effects of varying forest floor and slash retention on soil organic carbon content, nutrient availability, and productivity in a loblolly pine plantation. .
Publications: 18
- 2010-2012 Clay Mangum (MS). Mississippi State University. Sources and yield of dissolved constituents in managed headwaters of the Upper Gulf Coastal Plain of Mississippi. .
Publications: 44
- 2009-2011 Byoungkoo Choi (PhD). Mississippi State University. Headwater hydrologic functions in the Upper Gulf Coastal Plain Mississippi. .
Publications: 11, 16, 21

CO-MAJOR ADVISOR (GRADUATE):

- 2012-2017 Kris Richardson (MS). Oregon State University. Water Resources Graduate Program. Role of Extreme Events on Sedimentation in Loon Lake, Oregon Coast Range, USA.
Publications: 30
Awards:
2015 Western Forestry Graduate Research Symposium, Best FERM Department presentation
2014 Oregon Lakes Association Scholarship
- 2011-2014 Kurt Krapfl (PhD). Mississippi State University. Assessing interspecific competition and carbon sequestration in a loblolly pine-switchgrass co-culture system for biomass production. .
Publications: 19, 27, 28

UNDERGRADUATE RESEARCH ADVISEMENT:

- 2020-Present Jessica Blunn (OSU, Forest Management)
2016-2019 Ethan Donoghue (OSU, Forest Management)

2016-2018 Hayden England (OSU, Natural Resources, Forest Ecosystems Option)
2016-2018 Chantal Jorgensen (OSU, Natural Resources)
2014-2015 Emily Day (OSU, Natural Resources, Honors College)
2013-2015 Raven Chavez (OSU, Natural Resources, Soil Resources Option)

COMMITTEE MEMBER:

2019-present Andrew Merschel (PhD Anticipated 2021 – FES, OSU)
2017-present Erin Rooney (PhD Anticipated 2021 – CSS, OSU)
2016-present Karla Jarecke (PhD Anticipated 2021 – WRGP, OSU)
2018-2021 Julia Fleiner (MSc – CSS, OSU)
2018-2021 Jennifer Fedenko (MSc – CSS, OSU)
2019-2020 Callan Cannon (MSc – FERM, OSU)
2019-2020 Jordan Kersey (MSc – CSS, OSU)
2016-2021 Satish Serchan (PhD – FES, OSU)
2018-2020 Ryan Cole (MSc – WRGP, OSU)
2019-2020 Reed Cowden (MSc – FERM, OSU)
2018-2019 Audrey MacLennan (MSc – FERM, OSU)
2018-2019 Kelsey Martin (MSc – CSS, OSU)
2018-2019 Bruce Moffat (MSc – CSS, OSU)
2018-2019 Tyler Wiegman (MS - Department Of Forest Resources And Environmental Conservation, Virginia Tech)

2018-2018 Kelley Boak (MF postponed – FERM, OSU)
2017-2018 Kevin Hesson (MSc Graduated – CSS, OSU)
2017-2018 Emily Huth (MNR postponed – FES, OSU)
2017-2018 Joshua Petter (GCR; MSc Graduated – FES, OSU)
2017-2018 Aaron Rachels (MSc Graduated – WRGP, OSU)
2015-2018 Bharat Rastogi (GCR; PhD Graduated – FES, OSU)
2015-2018 Kira Puntenney (MSc - WRGP, OSU)
2015-2017 Chelsea Batavia (GCR; MSc)
2017-2017 Taylor Lucey (GCR; MSc – FES, OSU)
2016-2017 Chris Hubbard (MF postponed – FERM, OSU)
2015-2017 Brandon Alveshere (MSc – FERM, OSU)
2014-2017 Daniel Soto (PhD - FES, OSU)
2014-2017 Antra Boča (PhD - Wildland Resources, Utah State University)
2014-2017 Ben Hart (MSc, Graduated – FES, OSU)
2014-2017 Logan Berner (GCR; PhD, Graduated 2017 – FES, OSU)
2015-2016 Henry Rodman (MSc Graduated - FERM, OSU)
2013-2016 Elsa Gustavson (GCR; MSc, Graduated – FES, OSU)
2015-2015 Elizabeth Seeno (MSc, Graduated – CSS, OSU)
2015-2015 Ariel Cowen (GCR; MSc, Graduated – FES, OSU)
2012-2014 Kristin Coons (MSc, Graduated - FERM, OSU)
2013-2013 Marci Burton (MSc Graduated - CSS, OSU)
2012-2013 Erin Anderson (MSc, Graduated Geosciences, MSU)
2011-2012 Sarah Duffy (MSc, Graduated - Agricultural and Biological Engineering, MSU)

2011-2012 Sunita Khanal (MSc, Graduated - Agricultural and Biological Engineering, MSU)

2011-2012 Bryce May (MSc, Graduated - Forestry, MSU)
2012-2013 Cheryl McLaurin (Left Graduate School, Geosciences, MSU)
2012-2013 Julie Nist (Left Graduate School, FES, OSU)
2012-2012 Kate Brown (Changed Committee, Distance Learning Forestry, MSU)
2010-2013 Jeannie Barlow (Graduated - Wildlife, Fisheries, and Aquaculture, MSU)
2009-2012 Luke Mosley (Left Graduate School, Forestry, MSU)
2009-2012 Rida Sherif (Left Graduate School, Forestry, MSU)

TECHNICAL ADVISEMENT:

2019-2020 Ji Huai (PhD Nanjing Forestry University and Huaiyin Institute of Technology)
2010-2013 Nolan Brewer (MS-University of Idaho, College of Natural Resources)

FACULTY RESEARCH ASSISTANTS SUPERVISED:

2014-2018 Yvan Alleau (FERM, OSU)
2016-2017 Kylie Myer (FERM, OSU)
2014-2017 Brett Morrissette (FERM, OSU)
2011-2012 Cheryl McLaurin (Forestry, MSU)
2009-2011 Janet Dewey (Forestry, MSU)

UNDERGRADUATE RESEARCHERS AND EMPLOYEES (Hatten's Lab):

2018-2020 Maylita Brougher, OSU
2016-2019 Ethan Donoghue, OSU
2016-2018 Hayden England, OSU
2016-2018 Chantal Jorgensen, OSU
2015-2017 Amanda Allen-Kahl, OSU
2016-2016 Elyse Richman, OSU
2014-2015 Philip Aulie, OSU
2013-2015 Raven Chavez, OSU
2013-2015 Emily Day, OSU
2014-2014 Andrew Shaman, MSU
2011-2012 Alan Coats, MSU
2011-2012 TJ Stoudenmire, MSU
2012-2012 Creighton Halbert, MSU
2012-2012 Ryan Nazaretian, MSU
2012-2012 Oludare Ogunlolu, MSU
2012-2012 Pratik Parajuli, MSU
2010-2012 Joanna McInnis, MSU

UNDERGRADUATE ADVISING (REQUIRED AT MISSISSIPPI STATE UNIVERSITY):

2012: 6 students Environmental Conservation and Wildlife Management Option, MSU
2011: 11 students Environmental Conservation and Wildlife Management Option, MSU
2010: 13 students Environmental Conservation and Wildlife Management Option, MSU
2009: 2 students Environmental Conservation Option, MSU

OUTREACH

- 2013 **Instructor** for the Workshop: Wildfire and the Arborist (OSU Extension). Lecture and field tour on Fire effects on soils for arborists and landscapers.
- 2013 **Workshop Leader** for the Green Cities Partnership (Puget Sound area). Developed and lead workshop of ecological restoration volunteers titled: Introduction to Soils for Ecological Restoration
- 2012 **Instructor** for Mississippi Climate EarthLabs summer workshop. Developed and delivered a lecture on the Terrestrial Carbon Cycle and Climate Change to high school teachers from around the Southeastern United States.
- 2012 **Instructor** for The Science Enrichment Program (Mississippi University for Women). Summer lecture on Wetlands to 3rd-6th grade children.
- 2011 **Discussion Panel Member:** Climate Literacy Partnership in the SouthEast (CLiPSE). Starkville, Mississippi. <http://www.clipse-project.org/>
- 2011 **Panel Member:** Job and Career Panel at the Southeastern Natural Resources Graduate Student Symposium
- 2008 **Research profiled in:** Joint Fire Sciences Program Fire Science Brief. Author: E. LeQuire. In a ponderosa pine forest, prescribed fires reduce the likelihood of scorched earth. December 2008, Issue 24.
- 2008 **Lecturer:** Transfers of Terrestrial Organic Matter to the Ocean, Research Experiences for Undergraduates (REU) Seminar Series, CEOAS, OSU.
- 2006 **Field Tour Planner and Presenter:** Does season of burn and burn interval affect soil productivity and processes in a ponderosa pine ecosystem? Joint Fire Science Program Summer Field Tour, Burns, Oregon
- 2006 **Field Tour Planner and Presenter:** Thinning and prescribed burning effects on the soils of ponderosa pine/Douglas-fir forest in Mission Creek, Washington, Northwest Forest Soils Council Summer Field Tour, Okanogan, Washington

SERVICE AND PROFESSIONAL ACTIVITIES

SERVICE TO PROFESSION

- 2017-present **Associate Editor** for Soil Science Society of America Journal
- 2016-present **Associate Editor** (applied soils manuscripts) for Forest Science
- 2015-present **Associate Editor** (soils manuscripts) for Fire Ecology Journal
<http://fireecology.org/journal>
- 2020-2021 **Topic Editor** for the Research Topic: Vegetation Effects on Soil Organic Matter in Forested Ecosystems in Frontiers in Forests and Global Change.
- 2020-2021 **Guest Editor** for Special Issue on North American Long-Term Soil Productivity Study: Two decades of research on forest sustainability and soil quality in Forest Ecology and Management.
- 2019 **Substitute Chair** for Chuck Rhoades (travel forbidden for USFS employees due to US Government shut down) Forest Range and Wildland Soils Division of the Soil Science Society of America.

- 2017-2018 **Outgoing Chair** Forest Range and Wildland Soils Division of the Soil Science Society of America
- 2016-2017 **Chair** Forest Range and Wildland Soils Division of the Soil Science Society of America
- 2015-2016 **Chair Elect** Forest Range and Wildland Soils Division of the Soil Science Society of America
- 2013-present Oral Presentation **Judge**. Western Forestry Graduate Research Symposium
- 2014 **Soil Science Society of America Soil Science Research Award. Website Task Force**, Assist the development of the SSSA website so that it appeals to broader audiences, including members and non-members
- 2011- 2016 Outstanding Student Presentation Award **Judge**. American Geophysical Union Fall Meeting December, San Francisco, CA.
- 2011 **Guest Associate Editor** for the Southern Journal of Applied Forestry (1 manuscript)
- 2010-2011 **Author** on chapter titled: Soil Carbon. In SAF Task Force report on: Forest climate change offsets and use of forest biomass for energy.
- 2007 **Soil Science Society of America Website Task Force**, Assist the development of the SSSA website so that it appeals to broader audiences, including members and non-members

CONFERENCE PLANNING AND MODERATING

- 2019-present **Site-Lead**: 14th North American Forest Soils Conference planned for 2023. Somewhere, Oregon.
- 2019 **Moderator**: Session: Role of Wildfire in Forest, Range, and Wildland Soils Oral. Soil Science Society of America Annual Meeting. San Antonio, Texas. November 10-11.
- 2019 **Co-Organizer and President**: C8a: Intensification within limits: increasing productivity without compromising ecosystem services. With B.D. Strahm (Organizer) and Peter Clinton. International Union of Forestry Research Organizations World Congress. Curitiba, Brazil September 29 – October 5.
- 2019 **Co-Organizer and President**: C8d: Intensification within limits: increasing productivity without compromising ecosystem services. With B.D. Strahm (Organizer) and Peter Clinton. International Union of Forestry Research Organizations World Congress. Curitiba, Brazil September 29 – October 5.
- 2019 **Co-Organizer and President**: E8b: Hydrological and biological responses of aquatic ecosystems to contemporary forest practices around the world. With A. Argerich (Organizer). International Union of Forestry Research Organizations World Congress. Curitiba, Brazil September 29 – October 5.
- 2013-2018 **Planning Committee Member**: 13th North American Forest Soils Conference.

- 2019 **Co-Organizer and President:** Symposium--Soils of Wildfire-Affected Landscapes: Linking Belowground Ecology & Watershed Processes. With: Y. Pressler, J. Miesel, and C. Rhoades. Soil Science Society of America Annual Meeting. San Diego, California. January 6-9.
- 2019 **Substitute President:** 5 Oral sessions, 1 Poster session, and the Business Meeting for Forest, Range, and Wildland Soils Division of the Soil Science Society of America. Soil Science Society of America Annual Meeting. San Diego, California. January 6-9.
- 2017 **Organizer and President:** 5 Oral session, 2 Poster session, and the Business Meeting for Forest, Range, and Wildland Soils Division of the Soil Science Society of America. Soil Science Society of America Annual Meeting. Tampa, Florida. October 22-25.
- 2016 **Organizer and President:** 1 Oral session, 1 Poster session, and the Business Meeting for Forest, Range, and Wildland Soils Division of the Soil Science Society of America. Soil Science Society of America Annual Meeting. Phoenix, Arizona. November 6-9.
- 2015 **Organizer and President:** Symposium: Latest Advances In Understanding The Impacts Of Organic Matter Removal On Soils And Forest Productivity. With A. Gallo*. Soil Science Society of America Annual Meeting. Minneapolis, Minnesota. November 15-18.
- 2014 **Organizer and President:** Symposium: Evolution of Forest Soil Science: Perspectives and Prospects. With: B. Strahm and L. Nave. Soil Science Society of America Annual Meeting. Long Beach, California. November 3-6.
- 2013 **Organizer and President:** Symposium: Soil Mechanisms Controlling Forest Responses to Management and Environmental Change. With: Dan deB. Richter and B. Strahm. Soil Science Society of America Annual Meeting. Tampa, Florida. November 3-6.
- 2012 **Organizer and President:** Coupled Biogeochemical Cycles in Soils. With: B. Strahm. Soil Science Society of America Annual Meeting. Cincinnati, Ohio. October 22-24.
- 2012 **Moderator:** Mississippi Water Resources Research Institute Conference. Jackson, Mississippi. April 3-4.
- 2011 **President:** Management Effects In Forest, Range, and Wildland Soils: II. Organizer: K. Piatek. Soil Science Society of America Annual Meeting. San Antonio, Texas. October 16-19.
- 2009 **Convener and Organizer:** American Geophysical Union 2009 Fall Meeting. B31: Particulate Organic Carbon in Event Dominated Rivers and Coastal Margins. San Francisco, California. December 14-18.

PROPOSAL REVIEW PANELS

Department of Energy, Office of Biological & Environmental Research
National Science Foundation, Division of Environmental Biology, Ecosystems

PROPOSAL PEER REVIEWER

Estonian Research Council
National Science Foundation, Division of Environmental Biology, Ecosystems
National Science Foundation, Division of Earth Sciences, Geomorphology
National Science Foundation, Division of Earth Sciences, Hydrology

MANUSCRIPT AND COURTESY REVIEWS

Acta Oecologia, Applied Soil Ecology, Applied Geochemistry, Biogeochemistry, Canadian Journal of Forest Research, Continental Shelf Research, Earth Surface Dynamics, Ecological Indicators, Ecosphere, Fire Ecology, Forest Ecology and Management, *Forests*, Forest Science, *Geochimica et Cosmochimica Acta*, Journal of Geophysical Research – Biogeosciences, Journal of Tropical Forest Science, Limnology and Oceanography: Methods, Northwest Science, Plant and Soil, Science, Science of the Total Environment, Soil Biology and Biochemistry, Soil Science, Soil Science Society of America Journal, Southern Journal of Applied Forestry, Non-departmental Courtesy Reviews, Departmental Courtesy Reviews

BOOK PROPOSAL REVIEWER

Wiley (1)

PROFESSIONAL AFFILIATIONS

2001-present	Northwest Forest Soils Council
2003-present	Soil Science Society of America Forest, Range, and Wildland Soils Division (was S-7)
2011-present	Society of American Foresters Working Group: C2 - Soils Working Group: C3 - Water Resources
2005-2019	American Geophysical Union Biogeosciences Section
2012-2013	European Geosciences Union
2009-2012	Mississippi Forestry Association
2009-2010	Coastal and Estuarine Research Foundation

SERVICE TO THE DEPARTMENT AND UNIVERSITY

2015-present	Science Steering Committee Member: Long-Term Ecological Productivity Project
2014-present	Steering Committee Member: H.J. Andrews Long-term Soil Sampling Program
2019-2020	DEI Community Building Task Force
2019-2020	Forest Ecosystems and Society Forest Carbon Cycle Assistant Professor Search Committee

- 2017-2020 Forestry Executive **Committee Member at Large** for Forest Engineering, Resources & Management
- 2015-2020 **Committee Member:** College of Forestry New Building Steering Committee (primarily around lab design)
- 2014-2020 **Committee Member:** College of Forestry Undergraduate Scholarship Committee
- 2018-2019 Faculty Senate Research Council
- 2018-2019 Oregon State University Faculty Senator for the College of Forestry
- 2013-2018 We dig soils! College of Forestry Graduate student orientation. HJ Andrews Experimental Forest.
- 2016-2018 **Committee Member:** Search committee for FERM Department Head
- 2015-2017 **Area of Concentration Lead:** Forest Soil and Watershed Processes
- 2016 **Marshal** for College of Forestry at Oregon State University Commencement
- 2014-2015 **Committee Member:** Search committee for OSU Forest Regeneration Scientist Faculty
- 2015 **Marshal** for College of Forestry at Oregon State University Commencement
- 2013 **Contributor:** College of Forest Resources Graduate Student Orientation. Topic: Soils of the HJ Andrews Experimental Forest.
- 2013-2013 **Committee Member:** search committee for College of Forestry Research Program Administrator
- 2012-2013 **Committee Member:** Search committee for OSU Forest Hydrologist Faculty
- 2012-2012 **Committee Member:** Developing the MSU Center for the Environment & Society
- 2011-2012 **Chair:** Search committee for MSU Forest Biologist Faculty
- 2011-2012 **Faculty Advisor:** MSU Wetland Education Theater (<http://www.cfr.msstate.edu/wet.asp>)
- 2011-2012 **Chair:** Department of Forestry Social Committee.
- 2011-2012 **Committee Member:** Ad-Hoc Departmental Research Committee
- 2010-2011 **Organizer:** Mississippi State University Biogeochemistry Reading Group
- 2010-2011 **Committee Member:** Department of Forestry Social Committee.
- 2010-2011 **Committee Member:** Search committee for Hardwood Silviculturist Faculty
- 2010-2011 **Advisor:** Undergraduate Registration and Orientation

SERVICE TO THE COMMUNITY

- 2011 **Judge** for the Mississippi Region V Science and Engineering Fair
- 2011 **Judge** for the Mississippi State University Undergraduate Research Symposium

MEDIA

- 2019 Wildfire residue may contribute to climate change. AGU Blogosphere: GeoSpace post on our NSF RAPID Project in Great Smoky National Park. December 17, 2019. <https://blogs.agu.org/geospace/2019/12/17/wildfire-residue-may-contribute-to-climate-change/>
- 2018 Long-term effects of restoration fire and thinning on soil fungi, fine root biomass, and litter depth. Firescience.gov Friday Flash eNews. Issue 250, May 11, 2018. (Hart et al., 2018) [<https://us2.campaign-archive.com/?e=&u=5f6de7b069a57255f980944b4&id=55db7bb425>]
- 2017 Forest rules protect Alsea water quality, study finds. (November 29, 2017). Author: Nick Houtman. Newport News-Times (print) reprint of OSU press release on our Alsea Watershed Study (Hatten, et al., 2018)
- 2017 Tree harvesting methods protect water quality in Coast Range study. Researchers cautious about how it'd work elsewhere. (November 28, 2017). KTVZ reprint of OSU press release on our Alsea Watershed Study (Hatten, et al., 2018)
- 2017 Forest harvesting rules effectively protect water quality in the Alsea watershed. (November 27, 2017). OSU press release on our Alsea Watershed Study on suspended sediment (Hatten, et al., 2018)
- 2017 Oregon State University : wildfire experts. (September 7, 2017). List and description of Oregon State University faculty members that have expertise related to wildfire issues and are willing to speak with journalists.
- 2017 OSU Prof receives award. (July 3, 2017). Local coverage of the OSAF Research Award I received in the spring of 2017.
- 2016 Amanda Allen-Kahl (Undergraduate Researcher) featured:
 “Amanda Allen-Kahl: digging into undergraduate research”. Focus: The magazine of OSU College of Forestry. Fall 2016.
 <http://www.forestry.oregonstate.edu/sites/www.forestry.oregonstate.edu/files/focus/Fall%202016%20Focus.pdf>
- 2015 Emily Day (Undergraduate Researcher) featured:
 “Emily Day – Naturally Successful”. Honors Link, OSU Honors College Blog. <http://blogs.oregonstate.edu/honorslink/2015/05/28/1729/>
- 2015 Webinar “Long-term soil productivity and sustainability of forest harvest residue harvesting” J.A. Hatten and S.M. Holub. NARA Wood-to-Biofuels Webinar Series. October 30, 2015. <https://youtu.be/Bkho8fsrZGA>

2015 Podcast “Behind the Research Featuring Dr. Jeff A. Hatten” interviewer and editor Joseph Hulbert. https://media.oregonstate.edu/media/t/0_ihvarjry

2014 Hatten, Sloan et al. (2014) featured:

Landmarks (MSU Extension publication) “MSU researchers find oaks contribute to water quality”

News story “Prized wildlife habitat may also benefit water quality” on Soil Science Society of America website: <https://www.soils.org/discover-soils/story/prized-wildlife-habitat-may-also-benefit-water-quality>

Soil Horizons vol. 55 within article titled “Soil Microbes and Plants Work Together to Clean Up Contaminated Soils” doi:10.2136/sh2014-55-5-f

2013 Making Waves Photo of the Week November 8, 2013.
<http://ceoas.oregonstate.edu/makingwaves/20131108/>