

CURRICULUM VITAE
OWEN THOMAS BURNEY

oburney@nmsu.edu

Mora, NM 87732

PO Box 359

503.522.1759

EDUCATION

Purdue University	West Lafayette, IN	Ph.D.	2011	Silviculture
Oregon State University	Corvallis, OR	M.S.	2002	Silviculture
University of Georgia	Athens, GA	B.S.	1997	Forest Biology

PROFESSIONAL EXPERIENCE

Associate Professor and Superintendent. *Sep 2012 - current.*

John T. Harrington Forestry Research Center. New Mexico State University. Mora, NM.

University Development Specialist. *Aug 2011 - Jun 2012.*

Strengthening Afghan Agricultural Faculties. Purdue University. Kabul, Afghanistan.

Graduate Research Assistant. *Aug 2008 - Mar 2011.*

Forestry and Natural Resources Department. Purdue University. West Lafayette, IN.

Operations Manager. *Apr 2008 - Aug 2008.*

Center for Family Forests. American Forest Foundation. Washington, DC.

Research Associate/Consultant. *May 2006 - Jul 2008.*

Forestry and Natural Resources Department. Purdue University. West Lafayette, IN.

Research and Monitoring Specialist. *Oct 2003 - Apr 2006.*

Oregon Department of Forestry. Salem, OR.

Assistant Reforestation Forester. *Oct 2002 - Oct 2003.*

Oregon Department of Forestry. Tillamook, OR.

PUBLICATIONS

Rose K, Parsons T, Sloan J, **Burney OT** (2018) Examples of using subirrigation systems for both growing and storing seedlings. *Tree Planters' Notes* 58(2)12-19.

Hubbel KL, Ross-Davis AL, Pinto JR, **Burney OT**, Davis AS (2018) Toward sustainable cultivation of *Pinus occidentalis* Swartz in Haiti: effects of alternative growing media and containers on seedling growth and foliar chemistry. *Forests* 9(422) doi:10.3390/f9070422

Shalizi MN, Groninger JW, Khurram S, Ruffner CM, **Burney OT** (2018) Data on ecological associations and stand structure of chilgoza pine (*Pinus gerardiana* Wall. ex D. Don) in Afghanistan. *Data in Brief* 18:939-946.

Shalizi MN, Khurram S, Groninger JW, Ruffner CM, **Burney OT** (2018) Indigenous knowledge and stand characteristics of a threatened tree species in a highly insecure area: Chilgoza pine in Afghanistan. *Forest Ecology and Management* 413:1-8.

- Burney OT**, Jacobs DF (2018) Species selection – A fundamental silvicultural tool to promote forest regeneration under high animal browsing pressure. *Forest Ecology and Management* 408:67-74.
- Khurram S, **Burney OT**, Morrissey RC, Jacobs DF (2017) Bottles to trees: plastic beverage bottles as an alternative nursery growing container for reforestation in developing countries. *Plos One* 12(5): e0177904.
- Burney OT**, Redente EF, Lambert CE (2017) Plant growth in amended molybdenum mine waste rock. *Environmental Science and Pollution Research* 24(12):11215-11227.
- Burney OT**, Mexal JG, Aldrete A, Alvarez Reyes R, Prieto Ruiz JA (2015) México—Addressing challenges to reforestation. *Journal of Forestry* 113 (4):404-413.
- Burney OT**, Brown SH, Bentson KP, Hacker WD (2014) Forestry and tree planting in New Mexico. *Tree Planters' Notes* 57(1):4-12.
- Burney OT**, Jacobs DF (2013) Ungulate herbivory of boreal and temperate forest regeneration in relation to seedling mineral nutrition and secondary metabolites. *New Forests* 44 (5): 753-768.
- Burney OT**, Jacobs DF (2012) Terpene production and growth of three Pacific Northwest conifers in response to simulated browse and varying nutrient availability. *Trees* 26(4): 1331-1342.
- Burney OT**, Davis AS, Jacobs DF (2012) Phenology of foliar and volatile terpenoid production for *Thuja plicata* families under differential nutrient availability. *Environmental and Experimental Botany* 77(1):44-52.
- Burney OT**, Jacobs DF (2011) Ungulate herbivory of regenerating conifers in relation to foliar nutrition and terpenoid production. *Forest Ecology and Management* 262(9):1834-1845.
- Burney OT**, Jacobs DF (2009) Influence of sulfometuron methyl application on conifer root development. *New Forests* 37:85-97.
- Burney OT**, Wing MG, Rose R (2007) Microsite influences on variability in Douglas-fir seedling development. *Western Journal of Applied Forestry* 22(3):156-162.

FUNDING

*TOTAL FUNDING FOR DR. OWEN BURNEY = \$1,301,180 (2012-2018)

Examples include:

Burney OT (Principal), NM Energy, Minerals, and Natural Resources Department
\$8,000 (annually)

Davis A (Principal), **Burney OT (Co-PI)**, Potlatch Corporation, University of Idaho
\$30,000 (2014)

Burney OT (Principal), US Department of the Interior, National Park Service
\$52,125 (2015)

Burney OT (Principal), Water Resources Research Institute – NMSU.

\$5,823 (2015)

Mock K (Principal), **Burney OT (Co-PI)**, Landhäuser S (Co-PI), Utah State University

\$195,683 (2015).

Burney OT (Principal), US Department of Agriculture/Forest Service.

\$7,500 (2014)

Burney OT (Principal), ARCADIS US.

\$133,653 (2014)

Burney OT (Principal), USDA, US Forest Service.

\$30,000 (annually)

Burney OT (Principal), NM Energy, Minerals, and Natural Resources Department.

\$47,760 (2017), \$73,245 (2016), \$57,326 (2015), \$49,671 (2014), \$51,500 (2013),
\$49,588 (2012)

Burney OT (Principal), Santa Clara Pueblo

\$132,300 (2016), \$81,073 (2015), \$23,667 (2014), \$24,025 (2014), \$45,783 (2012)

Burney OT (Principal), Ohkay Owingeh Pueblo

\$15,000 (2013)

GRADUATE COMMITTEES

Aalap Dixit, PhD Northern Arizona University (current)

Gokhan Ervan, MS New Mexico State University (2018)*

Furkan Atalar, MS New Mexico State University (2018)

Emily Thyroff, MS Purdue University (2018)

Alex Howe, MS Utah State University (2018)

Bahar Yalcin, MS New Mexico State University (2015)

Onur Beyazoglu, MS New Mexico State University (2015)

Kyrstan Hubble, MS University of Idaho (2015)

Nasir Shalizi, MS North Carolina State University (2015)

Safiullah Khurram, MS Purdue University (2015)

*Advisor