CURRICULUM VITAE

DOUGLASS FREDERICK JACOBS

Н	ardwood Tree Improvement and Regeneration Center	Phone: +1 (765) 494-3608
D	ept. Forestry and Natural Resources, Purdue University	Email: djacobs@purdue.edu
W	/est Lafayette, Indiana 47907-2061, USA	https://www.purdue.edu/fnr/jacobslab
ED	UCATION	
	Ph.D., 2001. Department of Forest Science, Oregon State	University, Corvallis, Oregon USA.
	M.S., 1998. Warnell School of Forest Resources, Universit	y of Georgia, Athens, Georgia USA.
	B.A., 1993. Emory University, Atlanta, Georgia USA.	
ΑP	POINTMENTS	
	Full Professor (since 2011), Fred M. van Eck Endowed Cha	ir of Forest Biology (since 2012). Department of
	Forestry and Natural Resources (FNR), Purdue University	USA.
	US Fulbright Scholar to Sweden (2023-24).	
	Director (since 2017). Tropical Hardwood Tree Improvement	ent and Regeneration Center www.trophtirc.org
	Site Director (since 2015), National Science Foundation In	
	(NSF I/UCRC) – Center for Advanced Forestry Systems	, ,
	Editor-in-Chief (since 2010), New Forests (Springer Publish	ners, 2022 ISI Impact Factor = 2.2).
	Associate Head (2014-2023), FNR, Purdue University.	
VIS	SITING PROFESSORSHIPS	
	2023-24. Swedish Agricultural University. Alnarp, Sweden	
	2016. College of Tropical Agriculture and Human Resource	
	2013. College of Forestry & Landscape Architecture. South	
	2008-09. School of Forest Engineering, Technological Univ	, -
RE:	SEARCH: Emphasis on forest regeneration (nursery culture	site preparation, and planting) and pest resistance
of ·	threatened forest tree species, with implications for refore	station and ecological restoration. Publications
cite	ed >10,000 times, h-index 54 [Google Scholar] and >6,000	times, h-index 44 [ISI Web of Science].
PU	BLICATIONS (recent selections, of 206 refereed journal art	<u>icles</u>). Complete list <u>here</u> .
	Jacobs DF et al. 2023. Reintroduction of at-risk forest tree	species using biotechnology depends on
	regulatory policy, informed by science and with public sup	pport. <i>New Forests</i> 54:605-636.
	Brennan AN, Ma Z, Jacobs DF. 2023. Perceptions of land r	nanagers towards using hybrid and genetically
	modified trees. <i>New Forests</i> 54:605-636.	
	Gatti RC et al. 2022. The number of tree species on Earth.	Proceedings of the National Academy of Sciences
	119:e2115329119.	
	Luiz BC et al. 2023. Framework for establishing a Rapid 'Ō	hi'a Death resistance program. New Forests
	doi:10.1007/s11056-021-09896-5	
	Gustafson EJ, Miranda BR [,] Dreaden TJ, Pinchot CC, Jacobs	DF. 2022. Beyond blight: <i>Phytophthora</i> root rot
	under climate change limits populations of reintroduced	American chestnut. <i>Ecosphere</i> 13:e3917.
	Liang J et al. 2022. Co-limitation toward lower latitudes sh	napes global forest diversity gradients. <i>Nature</i>
	Ecology and Evolution 6:1423-1437.	
	Brennan AN, McKenna JR, Hoban SM, Jacobs DF. 2020. Hy	brid breeding for restoration of threatened forest
	trees: evidence for incorporating disease tolerance in <i>lug</i>	lans cinerea. Frontiers in Plant Science 11:580693

	Ebrahimi A, Lawson SS, McKenna JR, Jacobs DF. 2020. Morpho-physiological and genomic evaluation of
	Juglans species reveals regional maladaptation to cold stress. Frontiers in Plant Science 11:229. Rose KME, Friday JB, Oliet JA, Jacobs DF. 2020. Canopy openness affects microclimate and performance of
	underplanted trees in restoration of high-elevation tropical pasturelands. <i>Agricultural and Forest</i>
	Meteorology 292–293:108105.
	Löf M, Madsen P, Metslaid M, Witzell J, Jacobs DF. 2019. Restoring forests: regeneration and ecosystem
	function for the future. New Forests 50:139-152.
	Gustafson EJ, Sturtevant BR, de Bruijn AMG, Lichti NI, Jacobs, DF, Kashian DM, Miranda BR, Townsend PA.
_	2018. Forecasting effects of tree species reintroduction strategies on carbon stocks in a future without
	historical analog. <i>Global Change Biology</i> 24:5500-5517.
	Wallin E., Gräns D, Jacobs DF, Lindström A, Verhoef N. 2017. Short-day photoperiods affect expression of
	genes related to dormancy and freezing tolerance in Norway spruce seedlings. Annals of Forest Science
	74:59.
	Jacobs DF, Oliet JA, Aronson J, Bolte A, Bullock JM, Donoso PJ, Landhäusser SM, Madsen P, Peng S, Rey
	Benayas JM, Weber JC. 2015. Restoring forests: what constitutes success in the twenty-first century? <i>New</i>
	Forests 46:601-614.
	Jacobs DF, Dalgleish HJ, Nelson CD. 2013. A conceptual framework for restoration of threatened plants: the
	effective model of American chestnut (<i>Castanea dentata</i>) reintroduction. <i>New Phytologist</i> 197:378-393
	(Tansley Review).
GR	ADUATE STUDENTS SUPERVISED: 6 current (5 Ph.D., 1 M.S.), 35 completed (11 PhD, 24 MS)
	ST-DOCTORAL SCIENTISTS SUPERVISED: 17; VISITING INTERNATIONAL SCIENTISTS SUPERVISED: 19
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TE	ACHING
	Dendrology Fall 2002-2022 (except 2008, 2016).
	Forest Regeneration Fall 2004, 2006, 2009, 2011, 2013, 2015, 2018, 2020
	Silviculture week of summer practicum Summer 2003-2008, 2015, 2017, 2019-2020, 2022
	International Natural Resources Practicum (with NC State and SLU in Sweden) Summer 2005, 2007-08, 2012-
	The Hattorial Natural Nessal Cest Tactical (With Nessale and See in Sweden) Summer 2003, 2007 00, 2012
	13, 2015-19. 2023
	13, 2015-19. 2023 Guest lecturer in international courses: 2021-2023, Forest regeneration, SLU, Sweden (online); 2021-2023,
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	13, 2015-19. 2023 Guest lecturer in international courses: 2021-2023, Forest regeneration, SLU, Sweden (online); 2021-2023, Broadleaves, SLU, Sweden (online); 2013, Ecophysiology of plantation establishment, Universidad Austral de Chile, Valdivia, Chile; 2012, Forest Restoration in Theory and Practice, SLU, Frostavallen, Sweden; 2011, Afforestation for sustainable forest management, (INIA), Madrid, Spain NERGITIC ACTIVTIES Symposia Organizing Committee: IUFRO Forest Seedling Root Development and Function, virtual (2021);
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SYI	Guest lecturer in international courses: 2021-2023, Forest regeneration, SLU, Sweden (online); 2021-2023, Broadleaves, SLU, Sweden (online); 2013, Ecophysiology of plantation establishment, Universidad Austral de Chile, Valdivia, Chile; 2012, Forest Restoration in Theory and Practice, SLU, Frostavallen, Sweden; 2011, Afforestation for sustainable forest management, (INIA), Madrid, Spain NERGITIC ACTIVTIES Symposia Organizing Committee: IUFRO Forest Seedling Root Development and Function, <i>virtual</i> (2021); IUFRO 3 rd Restoring Forests, Lund, Sweden (2017); IUFRO Forest Regeneration in Challenging Environments, Oregon, USA (2017); IUFRO Forest Science Publishing, Helsinki, Finland (2015); IUFRO 2 nd Restoring Forests, Indiana, USA (2014); IUFRO Nutrient Dynamics of Planted Forests, Washington, USA (2012); IUFRO 1 st Restoring Forests, Madrid, Spain (2011) Coordinator, IUFRO Research Group 1.06.00, Restoration of Degraded Sites (2019-present); Coordinator, IUFRO Research Group 2.01.15, Whole Plant Physiology (2013-present); Deputy, IUFRO Research Group