

CURRICULUM VITAE

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Education

Oxford University, NATO Post-Doctoral Fellowship, 1985

Cornell University, Ph.D., 1982, Dissertation: Natural history of lianas and their influences on tropical forest dynamics

University of Wisconsin, B.S. (Education/Biology), 1973

Positions Held

Distinguished Professor, Department of Biology, University of Florida, 2016-present; Professor, 1992-2016; Associate Professor, 1987-1992; Assistant Professor, 1982-1987 [Affiliate Faculty, School of Forest Resources and Conservation: Adjunct Professor, Center for Latin American Studies]

Fonds Wetenschappelijk Onderzoek (FWO), Review Board Member, 2019-2022.

National Academy of Sciences Jefferson Fellow, U.S. Agency for International Development, Washington, D.C. and Indonesia, 2017-2018

Elizabeth Wood Dunlevie Honors Term Professor, UF, 2013-2014

Center for International Forestry Research (CIFOR), Senior Associate, 1994-present

University of Suriname and CELOS, Visiting Faculty, Paramaribo, Suriname, May 2011-present

External Examiner: Australian National University (2018); University of Queensland (2018); University of the West Indies (2012); Rhodes University (South Africa; 2010); Pondicherry University (India; 2004, 2006); Wageningen University (The Netherlands; 2003); Aarhus University (Denmark; 2000); Swedish University of Agricultural Sciences (1996, 2002); York University (Canada; 1991) Institute Botanique (France; 1989)

Rhodes University, Fulbright Senior Fellow, South Africa, July-August 2011

Southern Cross University, Research Fellow, School of Environmental Science and Management, Brisbane, Australia, 2011

Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD), Visiting Scientist, Montpellier, France, 2010

Utrecht University, Special Professor, the Netherlands, 2009-2019

Prince Bernhard Chair for International Conservation, Utrecht University, the Netherlands, 2004-2009

Rhodes University, Visiting Professor, Grahamstown, South Africa, 2009

Instituto de Investigaciones de la Amazonia Peruana (IIAP), Visiting Researcher, 2007

Universidad Nacional de Amazonia Peruana (UNAP), Visiting Professor, 2007

Harvard University Charles Bullard Fellowship, 2002-2004.

Eglin Ecological Management Advisory Group, 2001-2010

Wildlife Conservation Society, Forestry Program Advisor, 1999-2005

SGS – Silviconsult, Carbon Offset Advisory Board, 1998 – present

Union of Concerned Scientists, Board Member, 1999-2006

University of Zimbabwe, Visiting Researcher, Institute of Environmental Studies, 1998-1999

Southeast Forest Management Trust, Executive Board, 1996 - 1999

Tropical Forest Foundation, Permanent Review Committee, 1993; Board of Directors, 1999-2002

The Forest Management Trust, Executive Board, 1992-present

Florida Defenders of the Environment Advisory Board, 1991-present

SmartWood Program Advisory Board, Rainforest Alliance, 1991-present

IUCN Species Survival Commission, 1994 - present

Tropical Conservation and Development Program Executive Committee, University of Florida, 1991-2005

David L. Williams Term Professor, College of Liberal Arts and Sciences, University of Florida, 1996-1997

Courtesy Professor, Florida State University (1995-1998); University of Missouri at St. Louis (1994-1998)

Alachua Conservation Trust, Board of Advisors, 1989-1994

Swedish University of Agricultural Sciences, Visiting Professor, 1994

Forest Research Centre, Sabah Forest Department, Malaysia, Visiting Scientist, 1992-1993

Research Consultant, U.S. Agency for International Development: Indonesia, 1989-1990; Ecuador, 1992; Center for Tropical Conservation, Duke University, 1991-1992; Bolivia, 1994-2000

Centre for Rainforest Studies, Queensland, Australia, Visiting Scientist, 1989

Mary Flagler Cary Research Fellow, Institute of Ecosystems Studies, Millbrook, New York, 1989

Wageningen Agricultural University, the Netherlands, Visiting Lecturer, 1988

Universidad de los Andes, Venezuela, Visiting Scientist, 1986

Sarawak Forest Department, Malaysia, Visiting Scientist, 1983

Forest Research Institute, Malaysia, Visiting Scientist, 1981

Organization for Tropical Studies, Costa Rica, Faculty, 1981, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1996, 1998 (co-coordinator 1985; coordinator 1986)

Smithsonian Predoctoral Research Fellow, Smithsonian Tropical Research Institute, Republic of Panama, 1979-1981

Cornell University, Teaching Assistant, 1976-1979

President, Ecology and Systematics Student Association, Cornell University, 1978

Lecturer, Wetlands Ecology, Cornell University Extension Education Program, 1977-1978

Field Botanist, Cornell University, summer 1977

Botanist and Silviculturalist, Forest Research Institute, Malaysia, 1973-1976; Lecturer, Universiti Pertanian, Malaysia, 1976

Biology Teacher, Freedom House High School, Madison, Wisconsin, 1972

Naturalist, I.S.O.M.A.T.A., University of Southern California, 1972

Grants and Contracts

U.S. Forest Service International Programs and USAID, 2021-2022

USAID, Sustainable Landscapes Program, 2018-2019

Climate and Land Use Alliance (CLUA), 2017

World Wildlife Fund (WWF), Field course in Guyana, 2017

The Nature Conservancy (TNC), Field course in Quintana Roo, Mexico, 2016

Science for Nature and People (SNAP), National Center for Ecological Analysis and Synthesis (NCEAS), 2016-2017

Science for Nature and People (SNAP), National Center for Ecological Analysis and Synthesis (NCEAS), Tropical forest sharing or sparing for timber production, 2014-2015

CIFOR, Evidence Based Forestry Systematic Review, 2014-2015

DFID/CIFOR, Future of Tropical Production Forests, 2014-2015

DFID/CIFOR, Evaluation of the Impacts of Tropical Forest Management Certification, 2013-2015

U.S. Agency for International Development (through CIFOR), Evaluation of Forest Management Certification, U.S. Agency for International Development (through CIFOR), 2012-2014

Coda Global Fellowship, The Nature Conservancy, Arlington, Virginia, 2012-2013

The World Bank, Evaluation of Ecological, Social, and Economic Impacts Forest Management Certification, 2011.

Food and Agriculture Organization of the United Nations, Climate Change Guidelines for Managers of Forests, 2011-2012.

Erasmus Mundus Fellow, European Union, 2011.

Fulbright Senior Specialist Award, Rhodes University, South Africa, 2011.

Higher Education for Development, Building Capacity to Assess and Increase the Climate Change Mitigation and Adaptation Capacities of Vulnerable Communities in Southern Africa, 2009-2010.

Prince Bernhard Professor of International Conservation, Utrecht University, the Netherlands, 2004-2009 (one summer month funded per year but afterwards the professorship is retained for 10 years).

Institute of Food and Agricultural Sciences Research Innovation Fund, University of Florida, 2007-2008. Fire in the Juniper Prairie Wilderness: Is it a viable tool for ecosystem management? Co-PI.

NSF Doctoral Improvement Grant, 2007-2008. The nature of savannas that replace dry forests in Chiquitania, Bolivia.

National Science Foundation, 2002-2007. Working Forests in the Tropics. IGERT. Co-PI.

U.S. Agency for International Development, 2000-2003. Research and Training on Forest Management in Bolivia.

U.S. Forest Service International Programs Research Grant, 2000-2001. Tropical Forest Management and Conservation in Bolivia.

U.S. Forest Service International Programs Research Grant, 1999-2000: Bibliography on Natural Forest Management in the Tropics (with emphasis on logging).

U.S. Forest Service International Programs Research Grant, 2000: Modeling the Economics of Reduced-Impact Logging in the Tropics.

Robert B. Ragland Environmental Fellowship (for support of U.F. graduate students), 1999-2006.

Department for International Development (U.K.), 1998: Commissioned paper on forestry as a conservation strategy in the tropics. 1998.

Wildlife Conservation Society Research Grant, 2000. Tropical Forest Conservation.

The Compton Foundation, Inc., 1996-2000: Grants for Graduate Students in Tropical Conservation. Superior Accomplishment Award, University of Florida, 1995.

U.S. Forest Service Research Grant, 1995-1996: Mangrove forest ecology and silviculture in Kosrae, Federated States of Micronesia.

National Geographic Society Research Grant, 1994-1995: Natural forest management in Malaysia.

City of Gainesville Research Grant, 1994: Predicting the mechanical stability of large urban trees.

Center for International Forestry Research, 1994-1997: Research on the ecological basis of sustainable forest management.

Department of Natural Resources, State of Florida, 1992-1993: Investigation of methods for restoration of high pineland vegetation on bahia-grass dominated pasture.

New England Power Corporation, 1992-1995: Reduced-impact logging in Malaysia as a carbon offset program.

International Palm Society, 1992: Studies on cabbage palm (Sabal palmetto) in coastal Florida.

National Science Foundation Grant, 1991-1992: Liana root systems, foraging efficiency, and competitive interactions with trees.

United States Forest Service, 1992: Edge effects along clearcut margins in Ocala National Forest.

World Bank, 1992: Commissioned paper on tropical forest ecology and management in Southeast Asia.

National Geographic Society Research Grant, 1991-1992: Root competition between tropical lianas and trees: the effects of soil heterogeneity.

Bayer Corporation, 1991-1992: Bark for mosquito coils: Ecology and silviculture of *Litsea* trees and the economics of the bark collecting industry in Indonesia.

Rainforest Alliance, 1991: Drafted the ecological guidelines for Smart Wood, a tropical timber certification program.

United States Agency for International Development, 1991: Produced and scripted a video documentary entitled "Natural forest management in the American tropics."

United States Department of Agriculture, 1991: Compiled, published, and distributed "Natural forest management in the American tropics: a bibliography."

Center for Tropical Conservation, Duke University, 1991: Commissioned paper entitled "Ecological basis of natural forest management in the American tropics."

Research Development Award, University of Florida, 1990: Tree, liana, and shrub competition.

Tropical Resources and Development, 1990: Developed a computer-aided decision-making system for forest land uses in the tropics.

School for Field Studies (Australia), 1990: Andreas Research Award for an investigation of the biology of rattans (climbing palms) in Queensland.

Mary Flagler Cary Fellow, Institute of Ecosystems Studies (New York), 1989: Mechanisms of arrested succession in shrubland.

Florida Game and Freshwater Fish Commission, 1986-1987: Ecology of *Asclepias curtisii*, a rare plant in Florida scrub.

United States Agency for International Development, 1989: Project paper preparation team member on project entitled "Natural resource management in Indonesia."

National Science Foundation Grant, 1987-1989: Ecological studies of hemiepiphytes.

Savannah River Ecology Laboratory, Visiting Research Fellow, 1989-1990: Forest structure and dynamics in Congaree Swamp National Monument.

Smithsonian Institution Travel Grant, 1985.

National Geographic Society Research Grant, 1985: The natural history of strangler figs.

National Science Foundation Grant, 1982-1984: Vegetative ecology of Malaysian vines.

National Science Foundation Travel Grant, 1982.

Research Development Award, University of Florida, 1983-1984: Experimental studies of tropical forest dynamics.

Environmental Sciences Phenology Program, Smithsonian Tropical Research Institute (with D. M. Windsor and R. B. Foster), 1980-1984.

International Agriculture Research Grant (Cornell University), 1981.

Palm Society Travel Grant, 1981.

Smithsonian Predoctoral Fellowship, 1980-1981.

Cornell University Graduate Fellowship, 1980.

Sigma Xi Research Fellowship, 1979.

Palm Society Travel Grant, 1978.

National Science Foundation Grant, F. B. Golley Principal Investigator, 1978

Honor Society, University of Wisconsin, 1971-1973.

Awards

STAR Award for Volunteer Services, City of Gainesville, 2015.

Interview with Contributors to the Organization for Tropical Studies and Tropical Biology:

https://www.youtube.com/playlist?list=PLz7w6OjwkQJbKwIS4Np1vePBEhR0eTjEi

Academy of Distinguished Teaching Scholars, University of Florida, 2013-present.

Scholarship of Engagement Award, College of Education, University of Florida, 2010.

International Educator of the Year, College of Liberal Arts and Sciences, University of Florida, 2008-2009. Teacher of the Year, College of Liberal Arts and Sciences and University of Florida, 2003-2004. Graduate Student Teaching Award, Cornell University, 1978. Honor Society, University of Wisconsin, 1971-1973.

Service to Professional Societies

Association for Tropical Biology (Council 1991-1993; Editorial Board 1992-1996; President, 1996)

Conservation Trust for Florida, Advisory Board (2002-2007)

Ecological Society of America, Member (1976present)

Forests, Editorial Board (2016-present)

Forest Ecology and Management,

Editorial Board (1996-2003, 2018-present)

Frontiers in Forests and Global Change, Editorial SmartWood, Advisory Board (1993-2005) Board (2020-present)

Instituto Boliviano de Investigacion Forestal, Advisory Board (2004-present)

International Forestry Review, Editorial Board (2013-present)

Journal of Tropical Forest Science, Editorial Advisory Board (2006-present)

Namibia Development Journal, Editorial Board (2009-2012)

Organization for Tropical Studies International Society of Tropical Foresters, Member (1995-present) Wallaceana, Editorial Board (1996-2002) Tree Physiology, Editorial Board (1992-1996) Florida Native Plant Society, Member (1982present)

Society for Ecological Restoration, Member (2000-present)

Society for Conservation Biology, Editorial Board (2001- 2005)

World Bank, Steering Committee for University of Guyana Project (2012-2013)

Service to Department, College, University, and the Broader Community (current only)

Plant Physiologist Search Committee (Chair), Department of Biology

Publication and Fund-Raising Committee, Department of Biology

Graduate Student Fellowship and Grant Evaluation Committee, Department of Biology

Chair Advisory Committee, Department of Biology

Curriculum Committee, Department of Biology

Amazonian Conservation Leadership Initiative Advisory Committee, UF

Tropical Conservation and Development Awards Committee, UF

Florida Climate Institute Steering Committee, UF

Natural Areas Teaching Laboratory Advisory Committee, UF

Tropical Conservation and Development Program Advisory Committee, UF

Harn Museum Faculty Advisory Committee, UF

Florida Defenders of the Environment, Trustee

Instituto Boliviano de Investigacion Forestal Advisory Board

IUCN Species Survival Commission

Language Proficiency

Indonesian: Speaking – Fair (3); Writing – Poor (2); Reading – Good (3).

French: Speaking – Fair (2); Writing – Poor (1); Reading – Good (3).

Spanish: Speaking – Good (3); Writing – Fair (2); Reading – Good (3).

Indo-European Esperanto (idiosyncratic mixture of Indonesian, French, and Spanish): Fluent (4).

Formal Classes Taught at the University of Florida

Introductory Botany Ecosystems of the Tropics

Ecosystems of Florida Advanced Ecology
Tropical Forestry History of Ecology
International Forestry Introductory Ecology

Plant Ecology Florida Ecology and Natural History

Conservation Field Skills REDD+ Seminar

Nature and Culture of Florida Coastal Ecology and Sea Level Rise

Courses Taught at Other Institutions (last 10 years only)

- 2019: Research Design and Data Analysis, CELOS, Paramaribo, Suriname
- 2017: Forest Ecology and Management Field Course, University of Guyana, Georgetown, Guyana.
- 2016: Forestry Field Research Methods, Quintana Roo, Mexico.
- 2015: Research Design and Data Analysis, University of Belize, Belmopan, Belize.
- 2014: Silvicultural Research Methods, Sari Bumi Kusuma, Kalimantan, Indonesia
- 2012: Management des Forêts Tropical, Ecole National des Eaux et Forêts, Libreville, Gabon.
- 2011: Research Methods for Foresters, CELOS, Paramaribo, Suriname; Global Change, Rhodes University, South Africa.
- 2010: Research Methods for Foresters, University of Guyana, Georgetown, Guyana.
- 2009: Carbon Clinic, Rhodes University, South Africa; Tropical Forest Conservation, Utrecht University, the Netherlands.
- 2008: Research Methods for Ecologists, Universidad National Amazonian Peruana, Iquitos; Forestry Research Methods, Forestry Research Centre, Sabah, Malaysia.
- 2007: Field Research Methods for Ecology and Management, Universidad National Amazonian Peruana, Iquitos.

Recent Presentations

- 2022: University of the Sunshine Coast, Queensland, Australia (Responsibilities of Science Manuscript Reviewers); Florida Native Plant Society (Three Native Species with Commercial Potential);
- 2021: University of California at Irvine (Reflections on Tropical Forest Conservation); School of Forest Resources and Conservation Graduate Student Research Symposium (Keynote: Avoiding and Reversing Degradation of Longleaf Pine Savannas); The Villages, Gainesville (Earth Day 2021: Perspectives of a Conservation Scientist; University of Belize (Forest conservation through improved management).
- 2020: Bromeliad Society of Gainesville (Spanish Moss: Not Spanish and Certainly Not a Moss); Gainesville Garden Club (Biology of Moss); Forest Research Institute, University of the Sunshine Coast, Queensland, Australia (Lack of Improvements in Tropical Forestry); Society for Ecological Restoration (Mistakes Made in Restoring Pine Savanna); Restoration as Landscape Gardening (Florida Native Plant Society)
- 2019: University of Northern British Columbia, Terrace, British Columbia (Defining Sustainable Forest Management in the Tropics: A Disaggregated Landscape Approach); Bulkley Valley Research Centre, Smithers, B.C. (Sustainable Forest Management in the Tropics); University of Northern British Columbia, Prince George, B.C. (Failure of Research to Improve the Fates of Tropical Forests); Florida Trails Association, Gainesville, Florida (Pine Savanna Restoration); Florida Native Plant Society, St. Augustine, Florida (Sea Level Rise in Florida); Florida Wildflower Federation, Gainesville (Plenary: Restoration Mistakes); Florida Native Plant Society, Crystal River, Florida (Keynote: Coastal Change); UF's Levin College of Law Public Interest Environmental Conference (Keynote: Conservation in the Anthropocene); University of South Florida Planet of Weeds

- Conference (Keynote: Natural History in the Homogeocene); Restoration Mistakes (Keynote: Florida Wildflower Federation); Jornadas Técnicas Forestales y Ambientales, Misiones, Argentina (Keynote: *Pasos hacia el rendimiento forestal sostenible en los Trópicos*); Instituto de Biología Subtropical (UNaM CONICET), Iguazu, Argentina (*Sostenabilidad Disgregada*)
- 2018: USAID Sustainable Landscapes Program (Theories-of-Change and Conservation Impacts); University of British Columbia, Vancouver, Canada (Respective Analysis of Conservation Failures in Borneo); Center for International Forestry Research, Indonesia (Slopes and Environmental Management); University of Papua, Manokwari, Papua, Indonesia (Tropical Forestry); USAID Mission, Jakarta, Indonesia (The Future of Tropical Forestry); Association for Tropical Biology, Sarawak, Malaysia (Global Study of Carbon Emissions from Tropical Forest Logging); USAID Asia Bureau and National Academy of Sciences (Jefferson Lecture: 30 Years of Forest Conservation Efforts in Indonesia).
- 2017: University of Guyana (Research Methods); College of Law, UF (Keynote: Maintaining the Conservation Value of Conservation Lands in Florida); Cedar Key Friends of the Lower Suwanee (Modeling Changes in Coastal Ecosystems); Florida Gulf Coast University (Keynote: Coastal Ecological Changes in Florida); Florida Trails Association (Very Local Natural History); Swedish University of Agricultural Sciences, Umea (Natural Forest Management in the Tropics); CATIE, Costa Rica (Silvicultural Intensification in the Tropics); University of Guyana (Tropical Silviculture); University of Palangka Raya, Indonesia (Natural Forest Management in the Tropics).
- 2016: Whitney Lab (Global Change and Coastal Ecosystems in Florida; Tools for Tropical Forest Conservation); UF Faculty Senate (Tropical Conservation); Sierra Club, Gainesville (Florida Natural History); World Wildlife Fund, D.C. (Forest Degradation Defined); Center for Wetlands, UF (Sea Level Rise in Florida); Ejido Noh Bec, Quintana Roo (Tropical Forest Dynamics and Management); Florida Urban Forestry Council, Gainesville (Transformation of Florida's Ecosystems); CIRAD, Paris (Tropical Silviculture)
- 2015: NCEAS, Santa Barbara (Forest Sparing and Sharing); University of Belize (Biodiversity impacts of tropical forest management); Oxford University (Futures of Tropical Production Forests); Cambridge University (Futures of Tropical Production Forests); CIRAD, Montpellier (Tropical Silviculture); Florida Native Plant Society, Palmetto Chapter (Natural History of Fire); Florida Native Plant Society Annual Meeting (Fire Ecology in Florida).
- 2014: Faculty of Forestry, Tanjungpura University, Pontianak, West Kalimantan, Indonesia (Futures of Tropical Forests and Forestry); Forest Management and Monitoring Stakeholder Forum, Belize (Keynote Address: Sustaining Conservation Values of Managed Tropical Forests); Environmental Research Institute, University of Belize (Futures of Tropical Forests); School of Natural Resources and the Environment (Futures of Tropical Forests (*sensu lato*); League of Women Voters, Gainesville (Environmental Consequences of Plum Creek's Plan); CIRAD, Paris (Systematic Review of Tropical Silviculture); Continuing Education Program for Florida Science Teachers (Sea Level Rise in Florida); Congresso Internazionale di Selvicultura, Florence, Italy (Challenges for Tropical Silviculture).
- 2013: UF (Sea Level Rise and Forest Decline Project: What Next?); Association for Tropical Biology and Conservation, San Jose, Costa Rica (Evaluating the Impacts of Forest Certification; An Agent-Based Modeling Approach to REDD+); Ministry of Forestry, Jakarta, Indonesia (Training in Critical Thinking and Experimental Design for Foresters); Sea Level Rise (Center for Pre-collegiate Education and Training, Summer Science Institute, UF).
- 2012: The Nature Conservancy, Arlington, Virginia (Defending Tropical Forestry as a Conservation Strategy); U.S. Forest Service International Programs, Washington, D.C. (Evaluation of the Impacts of Forest Management Certification); Utrecht University, the Netherlands (Forestry as a Conservation Strategy); Oak Hammock, Gainesville, Florida (Savannas and Woodlands of Florida); Society for Conservation Biology, UF (Carbon for Conservation); Ecole National des Eaux et Forêts, Libreville,

- Gabon (La Science de l'Enseignement des Sciences); College of Agricultural Sciences, UF, Teaching Enhancement Symposium (Flipping the Classroom); UF Teaching Excellence Workshop (The Agony of Flipping a Classroom in Practice); University of Tokyo, Hiroshima University, Gadja Mada University, Indonesia; Florida Museum of Natural History Docent Training Program (Sea Level Rise in Florida);
- 2011: Florida Climate Institute (Carbon and Conservation in the Tropics); Association for Tropical Biology and Conservation, Arusha, Tanzania (Sustainability); Food and Agricultural Organization of the United Nations, Katmandu, Nepal (Climate Change Options for Managers of Forests); Rhodes University, South Africa (Sustainable Forest Management); University of Suriname, Paramaribo (Tropical Forestry). Habitable Planet Program, South Africa (A Thicket Restoration Investment Opportunity). Extended Education Program, Rhodes University (Hypothesis formulation and experimental design); University of Central Florida (Sustaining Forests); Tropical Forest Foundation, Washington, D.C.. (Capacity Building for Forestry Research); SilvaCarbon Workshop on Forest Degradation and Associated Emissions, Washington D.C. (Temporal Dimensions of Logging-Induced Carbon Emissions); International Union of Forest Research Organizations, Tropical Silviculture Symposium, Montpellier, France (Sustaining Tropical Forests with Silviculture).
- **<u>Refereed Publications</u>** (underlined = senior author; bold = self; g = graduate student; & = undergraduate or high school student; and, p = post-doctoral associate)
- Goh, C.S., G.R. Clements, and **F.E. Putz.** Missing the forest for the carbon: five familiar lessons being learned again in Malaysia. Environmental Science and Policy (in review).
- Sicangco, C.K.&, S. Bavdekar, G. Subhash, and F.E. Putz. 2022. Active space garnering by leaves of a rosette plant. Current Biology 32: R352-R353. https://doi.org/10.1016/j.cub.2022.03.055.
- <u>Selden, V.&</u> and **F.E. Putz**. Root cropping by pocket gophers. Current Biology (in press).
- <u>Bedrij, N.A.^g, P.M.</u> Mac Donagh, **F.E. Putz**, and M.G. Gatti. 2022. Selective logging of a subtropical forest: Long-term impacts on stand structure, timber volumes, and biomass stocks. Forest Ecology and Management 518 (11 pages) doi.org/10.1016/j.foreco.2022.120290
- <u>Putz, F.E.</u>, C. Romero, P. Sist, G. Schwartz, I. Thompson, A. Roopsind, Ruslandi, V. Medjibe, and P. Ellis. Sustained timber yield claims, considerations, and tradeoffs for selectively logged forests. PNAS Nexus (under revision).
- Smith, C. and <u>F.E. Putz</u>. 2021. Effects of permanent and temporary edges on *Pinus clausa* (sand pine) architecture and stand conditions. Can. J. For. Res. 51: 1643–1649. doi.org/10.1139/cjfr-2021-0016.
- <u>Cardoso de Oliveira, C.D.</u>^g, G. Durigan, and **F.E. Putz**. 2021. Thinning temporarily stimulates tree regeneration in a restored tropical forest. Ecological Engineering 171: doi.org/10.1016/j.ecoleng.2021.106390
- Larios, K.^g, G. Burleigh, and <u>F.E. Putz</u>. 2021. Pith width, leaf area, and twig thickness. American Journal of Botany 108: 1–7. https://doi.org/10.1002/ajb2.180
- Sist, P., C. Piponiot, M. Kanashiro, M. Pena-Claros, F.E. Putz, M. Schulze, A. Verissimo, and E. Vidal. 2021. Sustainability of Brazilian forest concessions. Forest Ecology and Management 496: https://doi.org/10.1016/j.foreco.2021.119440
- Blair, E. and <u>F.E. Putz</u>. 2021. Coastal scenes through the eyes of an artist and a scientist. The Palmetto 37: 8-12.
- Jagernath R., J.S. Landburg, A.P. Paal, A.V. Sewdien, V. Wortel, and <u>F.E. Putz</u>. 2021. Likelihoods of stump sprouting by felled trees in a selectively logged forest in Suriname. Journal of Tropical Forest Science 33: 353–360. doi.org/10.26525/jtfs2021.33.3.353.
- <u>Haro-Carrión, X.</u>^p, B. Loiselle, and **F.E. Putz**. Tree species diversity, composition, and aboveground biomass in a fragmented dry forest landscape in Ecuador. Tropical Conservation Scienc, 13 pages: DOI: 10.1177/1940082921995415.

- **Putz, F.E.**, T. Baker, B.W. Griscom, T. Gopalakrishna, A. Roopsind^p, P.M. Umunay^g, J. Zalman, E.A. Ellis, and P.W. Ellis. 2021. Corrigendum: Intact forest in selective logging landscapes in the tropics. Frontiers in Forest and Global Change doi: 10.3389/ffgc.2021.658469
- Putz, F.E. 2021. Guilt and the cabbage palm. The Palmetto 37: 2, 7, 15.
- Putz, F.E. and I.D. Thompson. 2020. Defining sustainable forest management in the tropics. In, Blaser,
 J. and Hardcastle, P. D. (ed.), Achieving sustainable management of tropical forests, Burleigh Dodds
 Science Publishing, Cambridge, UK (ISBN: 978 1 78676 248 1)
- <u>Fiorini, A.C.O.</u>^g, M. Swisher, and **F.E. Putz**. 2020. Payment for environmental services to promote compliance with Brazil's Forest Code: The case of "Productores de Agua e. Floresta." Sustainability 2020, 12, 8138; doi:10.3390/su12198138.
- <u>Eleuterio, A.A.</u>, M.A. de Jesus, and **F.E. Putz**. 2020. Stem decay in live trees: heartwood hollows and termites in five timber species in eastern Amazonia. Forests 11, 1087; doi:10.3390/f11101087.
- Ramdial, D., A. Sewdien, J. Rasdan, S. Critchlow, N. Tjong-A-Hung, A. Ospina, V. Wortel, and <u>F.E.</u> <u>Putz</u>. 2020. Stump sprout characteristics of three commercial tree species in Suriname. Forests 11, 1130; doi:10.3390/f11111130.
- <u>Britez, D.D.</u>^g, C. Romero, and **F.E. Putz**. 2020. Coppicing of two native but invasive oak species in Florida. Forest Ecology and Management 477: https://doi.org/10.1016/j.foreco.2020.118487
- <u>Putz, F.E.</u> 2020. Science-to-conservation disconnections in Borneo and British Columbia. Forestry Chronicle 96: 20-26.
- <u>Diaz-Toribio</u>, <u>M.</u>^g and **F.E. Putz**. 2020. Pine savanna plant community disassembly after fire suppression. Journal of Vegetation Science 31: 245-254. doi.org/10.1111/jvs.12843
- <u>Diaz-Toribio, M.</u>^g and **F.E. Putz**. 2020. Below-ground carbohydrate stores and storage organs in fire-maintained longleaf pine savannas in Florida, USA. American Journal of Botany 108: 1-11. doi:10.1002/ajb2.1620
- <u>Veldman, J.W.</u>, **F.E. Putz**, with 44 other authors. 2019. Comment on "The global tree restoration potential." Science 366 (6463): doi: 10.1126/science.aay7976.
- Runting, R.K., Ruslandi, B.W. Griscom, M.J. Struebig, M.Satar, E. Meijaard, Z. Burivalova, S.M. Cheyne, N.J. Deere, E.T. Game, **F.E. Putz**, J.A. Wells, A. Wilting, M. Ancrenaz, P. Ellis, F.A. A. Khan, S.M. Leavitt, A.J. Marshall, H.P. Possingham, J.E.M. Watson, and O. Venter. 2019. Larger gains from improved management over sparing–sharing for tropical forests. Nature Sustainability 2:53–61.
- <u>Piponiot, C.</u>, E. Rutishauser, G. Derroire, **F.E.Putz**, P.Sist, T. West, L.Descroix, M. Carneiro Guedes, E. Honorio Coronado, M. Kanashiro, L. Mazzei, M. Neves d'Oliveira, M. Pena Claros, K. Rodney, A. Ruschel, C. Rodrigues de Souza, E. Vidal, V. Wortel, and B. Hérault. 2020. Optimal strategies of Ecosystem Services provision for Amazonian production forests. Environmental Research Letters: ERL-107401.R2.
- <u>Fiorini, A.C.</u>O.^g, C. Mullally, M. Swisher, and **F.E. Putz.** 2020. Forest land-cover effects of the "Productores de Água e Floresta" payment for environmental services project. Ecological Economics 169: doi.org/10.1016/j.ecolecon.2019.106522.
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CREATIVE WORKS

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- <u>Putz, F.E.</u> 2022. Restoration zen. Aeon, 8 February: https://aeon.co/essays/the-tradeoffs-of-savanna-restoration-in-a-tree-crazed-world
- <u>Putz, F.E.</u> 2019. <u>Yaupon Wins: An Ethnobotanical Novella</u>. Cypress Highlands Press of Florida, Gainesville.
- <u>Putz, F.E.</u> 2018. Fates of Forests in Borneo: A 40-Year Retrospective. A blog published by the Anthropology and Environment Society of the American Anthropological Association: https://aesengagement.wordpress.com/2018/07/31/fates-of-forests-in-borneo-a-40-year-retrospective/
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- Moro, J.C. (Putz, F.E.) 2018. Borneo Dammed: A Very Family Affair. Cypress Highlands Press, Florida.
- <u>Putz, F.E.</u> 2016. Back in Borneo: A Trip Report. Society of American Foresters International Working Group Newsletter, December 2016: 3-10.
- <u>Putz, F.E.</u> 2015. Finding Home in the Sandy Lands of the South: A Naturalist's Journey in Florida. Cypress Highlands Press of Florida, Gainesville.
- <u>Putz, F.E.</u> 2009. A Florida Fiasco: Georgian Hippophages, Slave Raiding, and the Patriot War of 1811: A Play in Three Acts. Performed at Lincoln Middle School in 2009.
- <u>Putz, F.E.</u> 1998. Tawanda's Choice: A Play with Three Acts and One Optional Ending. Performed by the Christianbank Players, Zimbabwe.

Manuscripts in Preparation and Under Revision

- Bedrij, N.^g, G. Gatti, P. Mac Donagh, and **F.E. Putz**. Failure of reduced-impact logging in a subtropical rainforest in Argentina. Forests (in preparation).
- Isaacs, S., A. Roopsind, and **F.E. Putz**. Long-term benefits of liberation thinning to future crop trees in Guyana. Forests (in preparation).
- Sicangco, C.&, S. Bavdekar, G. Subash, and **F.E. Putz**. Active space garnering by leaves of a rosette plant. Current Biology (in preparation).
- Seldon, V. and F.E. Putz. Root farming by pocket gophers. Current Biology (in preparation).
- Putz, F.E. Root forarging of lianas. Frontiers on Forests and Global Change
- <u>Hungito, W.M.</u>^g, A. Roopsind^p, M. Sanches^g, N. Hunte^g, **and F. E. Putz**. Crown asymmetries of logging gap edge trees in a neotropical forest. Forest Ecology and Management (in preparation).
- West, T.^g and **F.E. Putz**. When REDD+ is not green.
- <u>Putz, F.E.</u>, C. D. Canham, and <u>S. Ollinger</u>. Root foraging efficiencies of trees and shrubs. Journal of Ecology (under revision).
- <u>Putz, F.E</u>. The road to Salvatierra: Reflections on some other dimensions of tropical landscapes (drafted manuscript).
- <u>Petrokofsky, G. P.</u> Sist, L. Blanc, J.-L. Doucet, B. Finegan, S. Gourlet-Fleury, J. Healey, B. Livoreil, R. Nasi, J. Palmer, M. Peña-Claros, **F.E. Putz**, and W. Zhou. Tropical silviculture: A systematic gap map.

Research Underway

Davis, B. & and F.E. Putz. Misting system for bryophyte cultivation.

Hermudananto^g and F.E. Putz. Worker safety and emisions reductions from Indonesian forests.

Theses and Dissertations Directed, Graduate Students Mentored

- Diaz-Toribio, M. 2019. Community dynamics and under-ground functional trait responses of plants in pine savannas after fire suppression. Ph.D.
- Fiorini, A. C. 2018. Brazilian forest code instruments used to promote Atlantic forest restoration. A study in Rio Claro Municipality. Ph.D.
- Roopsind, A. R. 2017. Sustainable forest management: The role of reduced impact logging for timber and environmental sustainability, Ph.D.
- Hermudananto. 2017. Analysis of corrective action requests from Forest Stewarship Council audits of natural forest management in Indonesia. M.Sc.
- Ruslandi. 2016. Silvicultural intensification in natural forests in Indonesia: Consequences for timber yields, carbon dynamics, tree species composition, and profits. Ph.D.
- West, T.A.P. 2016. On the improvement of tropical forest-based climate change mitigation interventions. Ph.D.
- Britez, D. D. 2016. Coppicing of two oak species, Quercus hemisphaerica and Q. nigra. M.Sc.
- Shenkin, A. 2014. Fates of trees in a Bolivian forest subjected to selective logging, fire, and climate change. Ph.D. Currently a post-doctoral fellow at Oxford University.
- Haro- Carrión, X. 2013. Biodiversity conservation in northwestern Ecuador. M.Sc. Currently a post-doctoral associate at Macalester College..
- Medjibe, V.P. 2012. Carbon dynamics in Central African forests management for timber. Ph.D. Currently head of the RIL-C program in Gabon.
- Eleuterio, A.A. 2011. Wood decay in living trees in eastern Amazonia. Ph.D. Currently a professor at Universidade Federal da Integração Latino-Americana, Brazil.
- Alencar, A. C. 2010. Spatial and temporal determinants of forest fires on the Amazonian deforestation frontier: Implications for current and future carbon emissions. Ph.D. (Co-Chair with D. Zarin). Currently a Researcher with IPAM, Brazilia.
- Brando, P. 2010. Fire, climate, and ecosystem change in the Brazilian Amazon. Ph.D. Currently as Assistant Professor at University of California Irvine and Researcher with IPAM, Brazil.
- Veldman, J. 2010. The nature of savannas that replace dry forests in Chiquitania, Bolivia. Ph.D. Currently an Associate Professor at Texas A & Me University.
- Mostacedo, B. 2007. Natural regeneration of canopy trees in a tropical dry forest in Bolivia. Ph.D. Currently a Professor at Universidad Autonoma Rene Gabriel Moreno, Santa Cruz, Bolivia.
- Palumbo, M. 2006. Ecology and secondary chemistry of *Ilex vomitoria* (yaupon). M.Sc. Currently a Ph.D. student in the Department of Biology, UF.
- Varner, J. M. 2005. Smoldering fire in long-unburned longleaf pine forests: linking fuels with fire effects. Ph.D. Currently Chief Scientist at Tall Timbers Research Station, Florida.
- Blate, G. 2005. Tradeoffs between sustaining timber yields, reducing wildfire risks, and sequestering carbon in a lowland forest in Bolivia. Ph.D. Currently Climate Change Coordinator, U.S.A.I.D., Washington.
- Parks, Geoffrey. Seed and seedling dynamics in Florida sandhills. M.Sc. Currently head of nature operations, City of Gainesville.
- Grauel, W. 2004. Dynamics of *Prioria copaifera* (cativo) swamps in the Darien of Panama. Ph.D. Currently Fire Ecologist with the Apache Nation, New Mexico.
- Paz Rivera, C.L.2003. Forest-use history and the soils and vegetation of a lowland forest in Bolivia. M.S. Currently at the UN REDD Secretariat, Geneva, Switzerland.
- Alvira Reyes, D.C. 2002. Liana loads and post-logging liana densities after liana cutting in a lowland forest in Bolivia. M.S. Currently a Researcher at the Field Museum, Chicago.
- Spector, T. 2002. Retention of savanna live oaks in the South. M.S. Currently a Park Biologist with the Florida Park Service.

- Kennard, D.K. 2000. Regeneration of commercial tree species following controlled burns in a tropical dry forest in eastern Bolivia. Ph.D. Currently an Associate Professor at Mesa State University, Colorado.
- Heuberger, K.A. 1998. Fire in the suburbs: ecological, social, and legal implications of prescribed fire in remnant longleaf pine sand hill. M.S. Currently Development Coordinador, Sarasota County, Florida.
- Pérez-Salicrup, D. 1998. Effects of liana cutting on trees and tree seedlings in a tropical forest in Bolivia. Ph.D. Currently an Associate Professor at Universidad Nacional Autónoma de México.
- Anderson, P.A. 1998. Demography, stem harvesting, and conservation of the palm, *Iriartea deltoidea*. Ph.D. Currently Head Botanist with the Florida Department of Agriculture and Consumer Services.
- Ostertag, R. 1998. Root dynamics of tropical forests in relation to nutrient availability. Ph.D. Currently as Associate Professor at the University of Hawaii at Hilo.
- Pinzon, Z.S. 1998. Canopy dynamics and regeneration in mangrove forests in Micronesia. M.S. La Directora de la Fundación Natura de Panamá
- Lippincott, C. 1997. Ecological consequences of *Imperata cylindrica* (cogongrass) invasion in Florida Sandhill. Ph.D. Currently with Lippincott Consulting, Gainesville, Florida.
- Carrington, M.E. 1996. Post-fire recruitment in Florida sand pine scrub in comparison with California chaparral. Ph.D. Currently an Associate Professor at Governors State University, Illinois.
- Kennard, D.K. 1996. Biomechanical properties of tree saplings and free-standing lianas as indicators of susceptibility to logging damage. M.S. Currently an Associate Professor at Mesa State University, Colorado.
- Peña-Claros, M. 1996. Ecology and socioeconomics of palm heart extraction from wild populations of *Euterpe precatoria* Mart. in eastern Bolivia. M.S. Currently a research professor at Wageningen University, the Netherlands.
- Pinard, M.A. 1995. Carbon retention by reduced-impact logging. Ph.D. Currently a Senior Lecturer at the University of Aberdeen, Scotland.
- Woodward, C.L. 1995. Soil compaction and topsoil removal during mechanized clearing of a tropical forest: effects on soil properties and seedling growth. M.S. Currently an Adjunct Professor at the University of Wisconsin.
- Pierront, M.K. 1995. Enrichment planting: a literature review and brief proposal. M.S. Currently a consultant in Santa Cruz, Bolivia.
- Uridel, K. 1994. Restoration of sandhill vegetation in Florida. M.S.
- Blanchard, J.D. 1992. Light, vegetation structure, and fruit production on forest edges of clearcut sand pine scrub in Ocala National Forest, Florida. M.S. Currently Natural Resources Program Manager at North Carolina Parks and Recreation.
- Susilo, A. 1993. Frugivores, remnant trees, figs and regeneration of burned forest in Kutai National Park, East Kalimantan, Indonesia. M.S. Currently Chief Scientist, Puslitbang Kehuntanan, Jakarta.
- Pinard, M. 1991. Impacts of stem harvesting on populations of *Iriartea deltoidea* (Palmae) in an extractive reserve in Acre, Brazil. M.S. Currently a Senior Lecturer at the University of Aberdeen, Scotland.
- Pope, K.R. 1991. Vegetation structure and composition in relation to sediment chemistry in Loxahatchee Wildlife Refuge. M.S. Director of Scientific Services/Project Manager, Pope Environmental.
- Sillett, S.C. 1991. Canopy bryophyte communities of a lower montane wet forest in Costa Rica: quantitative sampling in intact and isolated trees. M.S. Currently a Professor at Humboldt State University, California.
- Davis, M.M. 1990. Vegetative regeneration in wetland forests of Florida. Ph.D. Currently a Wetland Ecologist in the Wetland Branch of the WES Environmental Laboratory, Atlanta.
- Romano, G. 1990. Invasibility of a mixed hardwood forest by *Eupatorium capillifolium* and *E. compositifolium*. M.S. Currently a Researcher at USDA/ARS, Stoneville, Mississippi.
- Guariguata, M.R. 1989. Landslide natural disturbance and forest regeneration in the Luquillo Mountains of Puerto Rico. M.S. Currently a Senior Scientist at CIFOR, Bogor, Indonesia.

Sambas, E. 1989. Ecology and management of Indonesian mangroves. M.S. Currently a Botanist at the Herbarium Bogorense, Indonesia.

Williams-Linera, G. 1989. Ecology of forest edges in Panama. Ph.D. Currently a Professor at Instituto de Ecología, Xalapa, Veracruz, Mexico.

Guerin, D.N. 1988. Oak dome establishment and maintenance in a longleaf pine community in Ocala National Forest, Florida. M.S. Currently an Associate Professor at Sante Fe College, Gainesville.

Titus, J.H. 1987. The effect of microtopography on seedling regeneration in a Florida hardwood floodplain swamp. M.S. Currently a Professor, SUNY Fredonia, New York.

Current Students

Chair: Ph.D. = 3

Member: M.S. = 6; Ph.D. = 6

Undergraduates = 4