

Joseph (Joey) Michael Hulbert

Forestry and Agricultural Biotechnology Institute,
University of Pretoria, Dept. of Plant & Soil
Science, Private Bag X20, Hatfield, Pretoria 0002,
South Africa.

+27-73-871-3066 (SA)
1-541-908-5129 (USA)
joey.hulbert@fab.up.ac.za
<https://jmhulbert.github.io>

EDUCATION

- 2015-2018 (expected) **PhD** Plant Pathology, Forestry and Agricultural Biotechnology Institute, Dept. of Plant & Soil Science, University of Pretoria, South Africa. Dissertation: *Phytophthora diversity in the Cape Floristic Region*. Primary Supervisor: Mike Wingfield. Co-Supervisors: Treena Burgess, Francois Roets.
- 2016-2018 **Affiliate Research Student** Dept. of Conservation Ecology & Entomology, Stellenbosch University, South Africa.
- 2012-2014 **Dual MSc** Dept. of Botany & Plant Pathology, Dept. of Wood Science & Engineering, Oregon State University. Thesis: *Phytosanitation of Douglas-fir (Pseudotsuga menziesii) logs to mitigate the risk of artificially disseminating Phytophthora ramorum within the global trade of timber*. Advisors: Everett Hansen & Jeff Morrell.
- 2006-2010 **BSc** Dept. of Natural Resource Sciences, Washington State University. Undergraduate Thesis: *Influence of climatic variables on forest growth in the Sierra Nevada Mountains*.

INITIATIVES

- 2016- **Project leader**, *Cape Citizen Science* (<http://citsci.co.za>), Forestry and Agricultural Biotechnology Institute, University of Pretoria, Stellenbosch University, DST-NRF Centre of Excellence in Tree Health Biotechnology.
- 2012-2014 **Co-founder**, *Inspiration Dissemination* (<http://blogs.oregonstate.edu/inspiration/>), KBVR 88.7fm, Oregon State University.

PUBLICATIONS

- Hulbert JM**, Agne M, Burgess T, Roets F, Wingfield M. 2017 Urban environments provide opportunities for early detections of *Phytophthora* invasions, *Biological Invasions* 19:3629–3644.
- Hulbert JM**. 2016. Citizen science tools available for ecological research in South Africa, *Commentary, South African Journal of Science*, 112:5/6.
- Peterson E, Hansen EM, **Hulbert JM**. 2014. Source or Sink? The role of soil and water borne inoculum in the dispersal of *Phytophthora ramorum* in Oregon tanoak forests. *Forest Ecology and Management*, 322:48-57.

ACADEMIC HONORS & AWARDS

- 2018 Student Travel Award, American Phytopathological Society
- 2016 Getting the Message to the Public, Forestry and Agricultural Biotechnology Institute
- 2016 Best Student Personal Website, Forestry and Agricultural Biotechnology Institute
- 2015 Best PhD Oral Presentation, Dept. of Plant Science Postgraduate Research Symposium
- 2014-2015 Graduate Scholarship, Oregon Lottery
- 2014 Travel Award, Oregon State University Graduate School
- 2014 Student Travel Award, Botany and Plant Pathology Graduate Student Association

- 2014 Bartholomew Memorial Scholarship
 2014 Most Innovative Radio Program, Intercollegiate Broadcasting System
 2014 Best WSE Oral Presentation, Western Forestry Graduate Research Symposium
 2013-2014 Schutz Family Fellowship
 2013-2014 Alfred W. Moltke Fellowship
 2013-2014 Jack & Lila Saubert Fellowship
 2013-2014 Larry Moore Award for Graduate Education in Plant Pathology
 2013 Student Travel Award, Western International Forest Disease Work Conference

OUTREACH GRANTS

- 2018 Social Impact Grant, Faculty of AgriScience, Stellenbosch University
 2017 Mathre Education Endowment Award, American Phytopathological Society
 2017 BSPP Plant Pathology Promotion Fund, British Society for Plant Pathology

CROWDFUNDED PROJECTS

- 2017 [Engage Kayamandi Youth in Cape Citizen Science with Vision Afrika](#),
 DOI:10.18258/8690
 2015 [Discovering Plant Destroyers in South Africa with Citizen Science](#),
 DOI:10.18258/2066

PRESENTATIONS AT PROFESSIONAL MEETINGS

International Conferences

- Hulbert JM**, Burgess T, Roets F, Wingfield MJ. 2017. Public engagement to survey *Phytophthora* in South Africa, IUFRO Working Party 'Phytophthora in forests and natural ecosystems' (7.02.09), Sapa, Vietnam. Oral Presentation.
Hulbert JM, Roux J, Burgess T, Roets F, Wingfield MJ. 2017. Citizen science initiatives: opportunities to manage global forest pest challenges, IUFRO 125th Anniversary Congress, Freiburg, Germany. Oral Presentation.
Hulbert JM, Roux J, Burgess T, Roets F, Wingfield MJ. 2017. Cape Citizen Science: public engagement to detect and discover *Phytophthora* species in South Africa, IUFRO 125th Anniversary Congress, Freiburg, Germany. Poster Presentation.
Hulbert JM, De Beer ZW, Wingfield MJ. 2017. Cape Citizen Science: public engagement for plant disease research in a biodiversity hotspot, International Botanical Congress, Shenzhen, China, Poster Presentation (not presenting author).
Hulbert JM, Morrell JJ, Hansen EM, 2014. Wooden vectors of *Phytophthora ramorum*: are Douglas-fir logs a risk? Seventh Meeting of the IUFRO Working Party 7.02.09 *Phytophthora* in Forests and Natural Ecosystems, Esquel, Argentina. Poster Presentation (not presenting author).
 Peterson E, **Hulbert JM**, Hansen EM. 2012. Roads and streams are not significant pathways for SOD spread in tanoak forests. 6th IUFRO *Phytophthora* in Forest and Natural Ecosystems. Cordoba, Spain. Oral Presentation (not presenting author).

South African Conferences

- Hulbert JM**, Roets FR. 2017. Indigenous plant pathogens and their contributions to plant community diversity, Fynbos Forum, Swellendam. Oral Presentation.
Hulbert JM, Roets FR. 2017. Revealing hidden threats to fynbos biodiversity with citizen science, Fynbos Forum, Swellendam. Oral Presentation.

- Hulbert JM**, Roux J, Burgess TI, Roets F, Wingfield MJ. 2017. Methods of surveying plant pathogens with citizen science, South African Society for Plant Pathology, 50th anniversary meeting, Champagne Sports Resort, KwaZulu-Natal Province. Oral Presentation.
- Hulbert JM**, Roux J, Burgess TI, Roets F, Wingfield MJ. 2017. Public engagement in South Africa's ecological research: the 'how' and 'why' of citizen science, South African Association of Botanists, Annual Meeting, Cape Town. Oral Presentation.
- Hulbert JM**, Agne MC, Roux J, Burges TI, Roets F, Wingfield MJ. 2016. Records of *Phytophthora* invasions suggest that early detection programs should focus on urban environments, DST-NRF Centre of Excellence for Invasion Biology Workshop, *Non-native species in urban environments: patterns, processes, impacts and challenges*, Stellenbosch. Oral Presentation.
- Hulbert JM**. 2016. Monitoring invasive species with citizen science: an international review, Joint South African Association of Botanists-Southern Africa Society for Systematic Biology Conference, Bloemfontein. Oral Presentation.
- Hulbert JM**. 2015. Early detection and monitoring of invasive plant pests with citizen science, DST-NRF Centre of Excellence for Invasion Biology Workshop, *Evolutionary Dynamics of tree invasions: drivers, dimensions, and implications for management*, Stellenbosch. Oral Presentation.
- North American Conferences
- Hulbert JM**, Rosenberger R. 2014. Forest G.U.M.P. The Value of Graduate Undergraduate Mentorship Programs. International Union of Forest Research Organizations, World Congress. Salt Lake City. Poster Presentation.
- Hulbert JM**, Kamvar Z. 2014. *Inspiration Dissemination: Science Communication for College Students*. American Association for the Advancement of Science Annual Meeting. Chicago, Illinois, Poster Presentation.
- Hulbert JM**, Morrell JJ, Hansen EM. 2014. Chemical treatment to sanitize *Phytophthora ramorum* colonized timber products and mitigate the risk of accidental dissemination of Sudden Oak Death. International Union of Forest Research Organizations, World Congress. Salt Lake City. Poster Presentation.
- Hulbert JM**, Morrell JJ, Hansen EM. 2014. Potential of using boron for mitigation of *Phytophthora ramorum* in Douglas-fir logs. International Research Group on Wood Protection 45th annual meeting. St. George, Utah. Oral Presentation.
- Hulbert JM**, Morrell J, Hansen E. 2012. Chemical treatment to sanitize *Phytophthora ramorum* colonized timber products. Western International Forest Disease Work Conference, Tahoe City, California. Oral Presentation.
- Hansen E, **Hulbert JM**, Reeser P, Sutton W, Kanaskie A. 2011. Sudden larch death? Larch susceptibility to *Phytophthora ramorum*. Western International Forest Disease Work Conference, Leavenworth Washington. Poster Presentation.

UNIVERSITY SYMPOSIA, DEPARTMENTAL SEMINARS, INVITED AND PUBLIC TALKS

University Symposia

- 2017 Stellenbosch University, Dept. of Conservation Ecology & Entomology, Research Day, *Introduction to Cape Citizen Science: A project to engage the public in plant disease research*.
- 2016 University of Pretoria, Forestry and Agricultural Biotechnology Institute, Tree Protection Co-operative Program Annual Meeting, *Developing a citizen science program on tree health in South Africa*.

- 2016 University of Pretoria, Forestry and Agricultural Biotechnology Institute, NRF-DST Centre of Excellence in Tree Health Biotechnology Annual Meeting, *The history of Phytophthora cinnamomi in South Africa*.
- 2015 University of Pretoria, Dept. of Plant & Soil Science Postgraduate Research Symposium, *Introduction to Cape Citizen Science: A project to engage the public in plant disease research*.
- 2014 Oregon State University, College of Forestry, Western Forestry Graduate Research Symposium, *Wooden vectors of Phytophthora ramorum: Are Douglas-fir logs really a risk?*
- 2013 Oregon State University, College of Forestry, Western Forestry Graduate Research Symposium, *Chemical treatments to sanitize Phytophthora ramorum colonized timber material and mitigate the risk of artificial Sudden Oak Death dissemination*.

Departmental Seminars and Lab Meetings

- 2018 Stellenbosch University, Dept. of Conservation Ecology and Entomology, Roets, Oberlander, and Dryer Join Lab Meeting, *The Cape Town Hypothesis Test*.
- 2017 University of Pretoria, Forestry and Agricultural Biotechnology Institute, Thursday Morning Seminar Series, *The trade of live plants in Africa: a risk to tree health?*
2016. University of Pretoria, Forestry and Agricultural Biotechnology Institute, Research Discussion Seminar, *The role of scientists in society: developing a responsible protocol in case we discover an internationally regulated plant pathogen*.
- 2016 University of Pretoria, Dept. of Plant and Soil Science, Fall Seminar Series, *Citizen science tools available for phytogeographical research in South Africa*.
- 2016 Stellenbosch University, Dept. of Plant Pathology, Friday Forum Seminar Series, *Cape Citizen Science: community engagement to survey Phytophthora species in the fynbos*.
- 2016 University of Pretoria, Forestry and Agricultural Biotechnology Institute, Thursday Morning Seminar Series, *Methods of sampling Phytophthora with citizen science*.
- 2015 Oregon State University, Dept. of Botany and Plant Pathology, Spring Seminar Series, *Crowdfunding and citizen science applications in biology*.
- 2013 Oregon State University, Dept. of Wood Science & Engineering, Spring Seminar Series, *Using wood science to mitigate the impact of Sudden Oak Death*.

Invited Talks

- 2018 Farm to Table Working Group, North Carolina State University, *Citizen science in South Africa: applications for agriculture* (teleconference).
- 2018 University of Pretoria, Forestry and Agricultural Biotechnology Institute, 20th Anniversary Meeting, *Inspiring a new generation of plant health specialists in Africa*.
- 2018 University of Washington, School of the Environment and Forests, Harvey Lab Meeting, *Citizen science and plant disease in South Africa*.
- 2016 Stellenbosch University, Dept. of Conservation Ecology and Entomology, Regional Universities Forum for Capacity Building in Agriculture (RuForum) visit, *Conserving Biodiversity with citizen science*.
- 2016 Agricultural Research Council, Stellenbosch University, Dept. of Plant Pathology, Pre-symposium Fungal Pathogens Discussion Group, ARC-PPRI 24th Interdisciplinary Symposium on Soil-borne Plant Diseases, *Public engagement to survey plant destroyers in South Africa*.
- 2016 Stellenbosch University, Centre of Excellence in Invasion Biology, Dept. of Zoology, Invasives in the Cape Discussion Group, *Is the greatest threat to South Africa's natural*

- resources something we cannot see?*
- 2015 Oregon State University, Dept. of Integrative Biology, Undergraduate Club, Spring Term Meeting, *Deciding how to impact the world: Issues, options, and tools.*
- 2015 Oregon State University, Science Communication Brown Bag Lunch Seminar Series, *Crowdfunding: creating new possibilities for science*
- 2014 Oregon State University, Science Communication Brown Bag Lunch Seminar Series, *The Process of Podcasting: Using College Radio to Communicate Science.*
- 2014 Oregon State University, College of Forestry, Researcher Teacher Partnerships: Making global climate change relevant in the classroom, Spring Workshop, *Invasive Species: Service Learning Opportunities for K-12.*
- 2014 Oregon State University, College of Forestry, Researcher Teacher Partnerships: Making global climate change relevant in the classroom, Spring Workshop, *Inspiring Science as Graduate Students.*

Public Talks

- 2018 South African Citizen Science Project Fair, International Citizen Science Day, *Cape Citizen Science.*
- 2018 Friends of Brackenfell Nature Reserve, Brackenfell Nature Reserve, monthly meeting, *How citizens can protect the Cape Floral Kingdom from new plant diseases.*
- 2018 Wildlife and Environment Society of South Africa, Tygerberg Nature Reserve, Big Friends Group Event, *How citizens can protect the Cape Floral Kingdom from new plant diseases.*
- 2017 South African National Biodiversity Institute, Kirstenbosch National Botanical Garden, Room To Grow Wednesday Talks Series, *Cape Citizen Science: plant disease in the fynbos.*

TEACHING EXPERIENCE

Guest Lectures

- 2018 Stellenbosch University, Dept. of Conservation Ecology & Entomology, CONSECOL414: Advanced Conservation Management, Lecture, *Microscopic organisms: plant promoters and plant destroyers.*
- 2017 Stellenbosch University, Dept. of Conservation Ecology & Entomology, CONSECOL414: Advanced Conservation Management, Lecture, *A look into the microscopic world: lifelines and invisible threats.*
- 2017 Stellenbosch University, Dept. of Conservation Ecology & Entomology, CONSECOL414: Advanced Conservation Management, Field Course, Drie Kulien Nature Reserve.
- 2016 Stellenbosch University, International Winter School, Biodiversity & Ecology Course, Lecture, *Surveying Phytophthora species with citizen science.*

Workshops Organized

- 2018 Stellenbosch University, Dept. of Conservation Ecology & Entomology, *Data transformation with R-package dplyr.*
- 2018 Stellenbosch University, Dept. of Conservation Ecology & Entomology, *Data visualization with R-package ggplot2.*
- 2018 Stellenbosch University, Dept. of Conservation Ecology & Entomology, *Introduction to RStudio.*

EDUCATIONAL OUTREACHYouth Engagement Activities

- 2017 SANParks Junior Rangers, *Hike to De Mond*, Cape Point, Table Mountain National Park.
- 2017 Noordhoek Primary, *Cape Citizen Science Presents: Cape Nature Junior Ranger Adventures in Rochepan Nature Reserve*, Cape Nature, Veldrift.
- 2017 Littlewood Primary, *Cape Citizen Science Presents: Cape Nature Junior Ranger Adventures in Drift Sand Nature Reserve*, Cape Nature, Blue Downs.
- 2017 Se7en +1 homeschool group, *Cape Citizen Science Presents: Lab Visit with Se7en +1*, Stellenbosch University, Stellenbosch.
- 2017 Fish Hoek Girl Guides, *Adventures with First Fish Hoek Girl Guides*, Fish Hoek.
- 2017 Se7en +1 homeschool group, *Mountain hike with Seven+1*, Fish Hoek.
- 2017 Mamre Girls Brigade, *Cape Citizen Science Presents: Adventures in Silwer Stream*. Cape Nature, Mamre.
- 2017 South African Education and Environment Project, *SAEP and Cape Citizen Science Present: Adventures in Helderberg Nature Reserve*, three activities (July 29, August 5, and October 7) Cape Town Municipality, Somerset West,
- 2017 South African Education and Environment Project, *SAEP and Cape Citizen Science Present: Adventures in Cape Point*, Cape Point, Table Mountain National Park.
- 2017 Vision Afrika, *Pathogen hunting in Jonkershoek Nature Reserve on Earth Day*, Jonkershoek Nature Reserve, Stellenbosch.
- 2016 Helderberg Eco-Rangers, *Sampling streams for Phytophthora and monitoring stream health with miniSASS*, Edward Wood Environmental Education Center, Somerset West.
- 2016 Helderberg Eco-Rangers, *Training to be citizen scientists: reporting dying plants with IspotNature*, Helderberg Eco-Rangers, Edward Wood Environmental Education Center, Somerset West.
- 2016 Four Cape Town Scout Troops, *Cape Citizen Science: plant disease on Hoys Koppie*, Hermanus, Scout excursion.
- 2016 Helderberg Eco-Rangers, *Disease in our fynbos*, Edward Wood Environmental Education Center, Somerset West.
- 2015 Se7en +1 homeschool group, *Sampling in Kirstenbosch National Botanical Garden*, South African National Biodiversity Institute, Cape Town.
- 2014 Wood Magic Volunteer, *Forest products in everyday materials*, World Forestry Institute, Portland, Oregon.
- 2013 Wood Magic Volunteer, *Forest products in everyday materials*, World Forestry Institute, Portland, Oregon.

Promotional Table Events

- 2018 Biodiversity Careers Day, Kirstenbosch Research Centre, Cape Town.
- 2017 Science Forum South African, Council for Scientific and Industrial Research, Pretoria.
- 2017 National Science Week, African Institute of Mathematical Sciences, Khayelitsha.
- 2017 Open Day, Faculty of AgriSciences, Stellenbosch University.
- 2016 Hermanus Botanical Society Flower Festival, Hermanus.
- 2016 Funky Fynbos Festival, Gaansbai.
- 2015 Arbor Week Expo, Stellenbosch.
- 2013 Fall Discovery Days, Oregon State University.
- 2013 Spring Discovery Days, Oregon State University.

STAKEHOLDER ENGAGEMENTPresentations

- 2017 South African National Biodiversity Institute, *Introduction to Phytophthora*, Plant Pest Monitoring and Prevention Workshop, International Plant Sentinel Network, , Kirstenbosch National Botanical Garden, November 6-7, 2017.
- 2017 South Africa National Parks, *Forest Phytophthoras: Invisible threats or contributors to plant community diversity?* Garden Route National Park SANParks Office, Knysna, South Africa,
- 2017 Cape Town Municipality, *Plant disease in the Cape Floristic Region*, Branch Meeting, Cape Town.
- 2017 Cape Town Municipality, Cape Nature, World Wildlife Foundation, *Plant disease in the Cape Floristic Region*, BioNet Steering Committee Meeting, Cape Town.
- 2016 South Africa National Parks, *Cape Citizen Science: Sampling Phytophthora with Citizen Science*, Research Committee Feedback Discussion, Cape Research Centre, Tokai, Cape Town.
- 2016 Cape Nature, *Involving Cape Nature to study dying plants in the fynbos*, Eastern Division Quarterly Ecological Meeting, George.
- 2016 Cape Nature, *Engaging citizens in research through workshops and targeted sampling*, Central Division Quarterly Ecological Meeting, Fernkloof Nature Reserve, Hermanus.
- 2016 Cape Nature, *Community driven research about plant disease in the fynbos*, Western Division Quarterly Ecological Meeting, Porterville.
- 2013 Washington County Oregon Small Woodland Association, *Impacts of Sudden Oak Death on small timber landowners in Curry County, Oregon*. Monthly Meeting, Magness Memorial Tree Farm, Sherwood, Oregon.

Plant Disease Workshops and Research Activities

- 2017 South African National Parks, *Hunting for Phytophthora in West Coast National Park*, SANParks office, Langebaan, West Coast.
- 2017 Stellenbosch Municipality, *Surveying Phytophthora in Jan Marais Nature Reserve*, Stellenbosch.
- 2016 Cape Nature, *Surveying Phytophthora in Marloth Nature Reserve*, Marloth Nature Reserve, Swellendam.
- 2016 South African National Biodiversity Institute, *Recognizing plant disease, sampling soil, and testing hypotheses*, Harold Porter Botanical Garden, Bettys Bay.
- 2016 Stellenbosch University, *Recognizing plant disease and sampling soil for Phytophthora spp.*, Stellenbosch University Botanical Garden, Stellenbosch.
- 2016 South African National Biodiversity Institute, *Hypothesis testing in Kirstenbosch National Botanical Garden with Citizen Science*, Kirstenbosch National Botanical Garden, Kirstenbosch Garden Office, Cape Town.
- 2016 South African Botanical Society, *Surveying Phytophthora species in Fernkloof Nature Reserve*, Fernkloof Nature Reserve Hall, Hermanus.
- 2016 South Africa National Parks, *Surveying Phytophthora species in Agulhas National Park*, SANParks Office, Agulhas.
- 2016 South African National Biodiversity Institute, *Phytophthora soil baiting in the Protea Garden*, Kirstenbosch National Botanical Garden, Kirstenbosch Garden Office, Cape Town.

- 2016 South Africa National Parks, *Sampling dying plants and the Breede river in Bontebok National Park*, Bontebok National park, Swellendam.
- 2016 South African National Biodiversity Institute, *Recognizing plant disease: why and how*, Kirstenbosch National Botanical Garden, Kirstenbosch Garden Office, Cape Town.
- 2016 South Africa National Biodiversity Institute, *Introduction to Phytophthora: plant destroyers in South Africa*, Kirstenbosch National Botanical Garden, Kirstenbosch Garden Office, Cape Town.

CONFERENCE ORGANIZATION & PANELS SERVED

Conference Organization

- 2018 Event Co-organizer, *South Africa Citizen Science Fair, International Citizen Science Day Event*, Kirstenbosch National Botanical Garden, Cape Town, South Africa.
- 2017 Session Coordinator, *Early detection and monitoring of invasive forest pests and pathogens with citizen science*, IUFRO 125th Anniversary Congress, Freiburg, Germany.
- 2014 Symposium Planning Committee, *Canopies to construction: the ecology, management and use of tomorrow's forests*, Western Forestry Graduate Symposium, Corvallis, Oregon, USA.
- 2013 Symposium Planning Committee, *Branching out: communicating forest research beyond academics*, Western Forestry Graduate Symposium, Corvallis, Oregon, USA.

Invited Panel Participation

- 2015 Is one tree worth a forest? World Forestry Congress, World Cafe Forest Health Session, Durban, South Africa.
- 2013 Maximizing Your Graduate Education, Fall Graduate School New Student Orientation, Oregon State University.

MENTORSHIP AND SUPERVISION

- 2018 Eric Norton BSc Honors (4th year), Dept. of Conservation Ecology and Entomology, Stellenbosch University.
- 2018 Asheligh Basel BSc Honors (4th year), Dept. of Conservation Ecology and Entomology, Stellenbosch University.
- 2017 Grég Thiry MSc Environmental Education, Université of Montpellier, France. South African Environmental Education Project Intern.
- 2017 Nicolas Louw BSc Honors (4th year), Dept. of Conservation Ecology and Entomology, Stellenbosch University.
- 2017 Adam Wentzel Work Integrated Learning Student, Cape Nature, Jonkershoek Nature Reserve, Dept. of Biodiversity and Conservation, Cape Peninsula University of Technology.
- 2017 Tara Nair Van Ryneveld BSc Honors (4th year), Plant Conservation Unit, Dept. of Biological Sciences, University of Cape Town.
- 2017 Liza-Marie Dippenaar BSc Plant Pathology 4th year project, Dept. of Plant Pathology, Stellenbosch University.
- 2017 James Coldrey BSc Plant Pathology 4th year project, Dept. of Plant

2016	Jeff Groenewald	Pathology, Stellenbosch University. BSc (3rd year), Biodiversity and Ecology, Dept. of Botany and Zoology, Stellenbosch University.
2014	Emma Buczkowski	BSc Zoology, Dept. of Botany & Plant Pathology Undergraduate Mentorship Program (BUDS) Oregon State University.
2014	Joey DeSheilds	BSc Molecular and Cell Biology, Dept. of Botany & Plant Pathology Mentorship Program (BUDS), Oregon State University.
2014	Kayla Nass	BSc Wood Science and Engineering, Hourly Morrell Lab Student Employee, Oregon State University.
2014	Al Pancoast	BSc Forest Engineering, Forestry Graduate Undergraduate Mentorship Program (GUMP), Oregon State University.
2014	Alex Abair	BSc Botany & Plant Pathology, Hourly Hansen Lab Student Employee, Oregon State University.
2013	Josh Petitmermet	Hourly Hansen Lab Student Employee, Oregon State University.
2013	Jake Kotche	Hourly Hansen Lab Student Employee, Oregon State University.
2013	Patrick Duyck	BSc Forest Engineering, Personal Initiative.

MENTORSHIP OUTPUT

Groenewald J, Roets F, **Hulbert JM**. 2017 *Phytophthora cinnamomi*: a driver behind endangered flora in the CFR? South African Association of Botanists, Annual Meeting, Cape Town, South Africa, Poster Presentation.

Louw NL, Roets F, **Hulbert JM**. 2017 The diminishing silver lining: re-evaluating the microscopic threats to South Africa's silver tree, Fynbos Forum, Swellendam, South Africa, Oral Presentation.

WORKSHOPS ATTENDED

2017	The People Side of Ecology, Social Science Methods Workshop, Dept. of Conservation Ecology and Entomology, Stellenbosch University.
2016	Introduction to Phylogenetics Workshop, Forestry and Agricultural Biotechnology Institute, University of Pretoria.
2016	Microsatellite Workshop, Forestry and Agricultural Biotechnology Institute, University of Pretoria.

DIGITAL MEDIA PRODUCTION

Video Production

2017	A year of empowering young minds YouTube .
2016	Engage Kayamandi youth in Cape Citizen Science with Vision Afrika Experiment.com .
2016	Release your inner scientist (website header) YouTube .
2015	Discovering plant destroyers in South Africa with citizen science. Experiment.com .

Podcast Production

2017	<i>Dylan</i> , Cape Citizen Science.
2015	<i>Behind the Research</i> , Oregon State University, College of Forestry.

2012-2014 *Inspiration Dissemination*, Oregon State University, 88.7fm KBVR.

Web Development

2018- Online CV (jmhulbert.github.io).

2015- Cape Citizen Science (citsci.co.za).

2015-2016 Personal website (jmhulbert.me).

2013-2014 *Inspiration Dissemination* (oregonstate.edu/inspire).

2013-2014 Botany and Plant Pathology Graduate Student Association (gsa.bpp.oregonstate.edu).

2013-2014 Western Forestry Graduate Research Symposium (gradsymp.forestry.oregonstate.edu).

2013-2014 Forest Graduate Undergraduate Mentorship Program (gump.forestry.oregonstate.edu).

SELECTED POPULAR WRITING

Hulbert JM, Roets F. 2017. Citizen science: how ordinary people can guard Cape Town's biodiversity, *The Conversation-Africa*.

Hulbert JM. 2017. Pathogen Hunters: citizen scientists track plant diseases to save species, *The Conversation-Africa*.

Hulbert JM. 2017. Two species of plant killing genus *Phytophthora* found in a Western Cape garden, *Veld & Flora* Vol 103(1).

Hulbert JM. 2017. Citizen Science, *Supernova: the magazine for curious kids* Vol 6.1.

Hulbert JM. 2016. Citizen driven science: the citizen science movement in South Africa, *Quest Magazine*, Vol 12 (2).

Hulbert JM. 2016. Plant Destroyers, *Supernova: the magazine for curious kids*, Vol 5.6.

Hulbert JM. 2016. Super Fungi, *Supernova: the magazine for curious kids*, Vol 5.5.

Hulbert JM. 2016. Citizen science: research experience for all, *Veld & Flora*, Vol 102(2).

Hulbert JM. 2016. Recycled pathogens: avoiding accidental infection through awareness, *Agrikultuur Magazine*, Vol 34.

Hulbert JM. 2015. Microbes, *Supernova: the magazine for curious kids*, Vol 5.3.

Hulbert JM. 2015. Citizen engagement in research to protect fynbos—and forests, *SA Forestry*.

Hulbert JM, Navarro S. 2011. Effective collaboration slows the spread of Sudden Oak Death in Oregon, *Western Forester*, Vol 56(3).

SELECTED MEDIA COVERAGE

Articles

De Bruin L. 2018. Be part of the Cape Town hypothesis test, University of Pretoria homepage.

Meyer M. 2017 Cape Citizen Science engages more than 200 youth in 2017, University of Pretoria, Faculty of Natural and Agricultural Sciences, Squared² Up Newsletter.

Duvenage E. 2017. Jy kan PhD-student help met grondmonsters, *Die Burger*, newspaper article.

Burt B. 2017. Citizen scientists around the world take to the woods in an effort to improve the health of forests, *IUFRO Spotlight # 49*, online article.

Duvenage E. 2017. Citizen science crowdfunding project pays off, *SciBraai*, online article.

Brits E. 2016. Publiek kan help om fynbos te red, *Netwerk 24*, newspaper article.

Heyl A. 2016. Join the hunt for pathogens in the fynbos, *UP News*, online article.

Editor. 2016. Science Project aims to boost fynbos conservation, *Boland Gazette, Hermanus Times*, newspaper article.

DeKlerk, R. 2016. Identifying plant diseases at the southernmost point of Africa *SanParks Times*, magazine article.

Radio Interviews

Middag op RSG, RSG 100-104FM, January 23, 2018.
 Detour, Maties MFM 92.6FM, November 29, 2017.
 Green Living, Radio Helderberg 93.6FM, February 23, 2017.
 NPR KLCC News, Eugene KLCC 89.7, April 8, 2015.

ACADEMIC LEADERSHIP

2017-2020 Committee Member, American Phytopathological Society, Committee for Diversity & Equality
 2017-2020 Committee Member, American Phytopathological Society, Forest Pathology Committee
 2016-**Project Leader**, Cape Citizen Science
 2015 Coordinator, University of Pretoria Invasive Species Journal Club
 2014 **Founder & Director**, Botany and Plant Pathology BUDS Program
 2014 Planning Committee Member, Western Forestry Graduate Research Symposium
 2013-2014 **President**, Botany and Plant Pathology Graduate Student Association
 2013-2014 **Founder & Director**, Forest Graduate Undergraduate Mentorship Program
 2013 Planning Committee Member, Western Forestry Graduate Research Symposium
 2013 Planning Committee Member, College of Forestry Graduate Student Orientation
 2013 Organizer, Natural Science Graduate Student BBQ
 2012-2014 **Co-Founder and Co-host**, Inspiration Dissemination
 2012-2014 Officer, College of Forestry Graduate Student Council
 2012-2014 Wood Science Steward, Coalition of Graduate Employees
 2012-2014 Graduate Representative, Dept. of Wood Science and Engineering
 2012-2014 Committee Member, Wood Science and Engineering Graduate Affairs
 2012 Organizer, Natural Science Graduate Student BBQ

RESEARCH POSITIONS

2015-2018 Graduate Student, University of Pretoria, Dept. of Plant and Soil Sciences, Primary Supervisor: Mike Wingfield. Co-supervisors: Treena Burgess, Francois Roets.
 2016-2018 Affiliate Research Student, Stellenbosch University.
 2012-2014 Graduate Research Assistant, Oregon State University, Dept. of Wood Science and Engineering, Supervisors: Everett Hansen, Jeff Morrell.
 2011-2012 Research Technician, Oregon State University, Dept. of Botany and Plant Pathology. Supervisors: Everett Hansen, Paul Resser, Wendy Sutton.
 2010 Field Technician, Oregon State University, Dept. of Forest Engineering, Resources and Management. Supervisors: Dave Shaw, Travis Woolley.
 2009 Forest Service STEP Field Technician, Joint project with U.C. Davis and Forest Service Sierra Nevada Research Center, Davis, California. Supervisors: Seth Bigelow, Michael Papaik, Malcolm North.
 2008 Field Technician, Joint project with University of Idaho and Forest Service Rocky Mountain Research Station, Moscow, Idaho. Supervisors: Andrew Hudak, Penny Morgan.
 2008 Volunteer Lab Technician, Forest Pathology Lab, Forest Service Rocky Mountain Research Station, Moscow, Idaho. Supervisors: Ned Klopfenstein, Mee-Sook Kim
 2007-2010 Research Technician, Washington State University, Dept. of Plant Pathology. Supervisor: Patricia Okubara.
 2004 Research Technician, Kansas State University, Dept. of Plant Pathology.

REFERENCES

Primary PhD Supervisor

Mike J. Wingfield
President, International Union of Forest Research Organizations
Director, Forestry and Agricultural Biotechnology Institute
University of Pretoria
Pretoria, South Africa 0002
Mike.wingfield@up.ac.za

PhD Co-Supervisor

Francois Roets
Senior Lecturer
Dept. of Conservation Ecology and Entomology
Stellenbosch University
Stellenbosch, South Africa 7600
fr@sun.ac.za

PhD Co-Supervisor

Treena I. Burgess
Leader, Environmental and Conservation Sciences
Associate Professor, School of Veterinary and Life Sciences
Director, Centre of *Phytophthora* Science and Management
Murdoch University
Murdoch, Western Australia 6150
tburgess@murdoch.edu.au

MSc Supervisor

Everett M. Hansen
Professor Emeritus
Dept. of Botany and Plant Pathology
Oregon State University
Corvallis, Oregon, USA 97330
hansene@oregonstate.ed