# CURRICULUM VITAE


## PAUL FISHER

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**EDUCATION**

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| 1995 | PhD in Horticulture, Michigan State University. 'Prediction and control of stem elongation and flowering in poinsettia (*Euphorbia pulcherrima* Klotz.) and Easter lily (*Lilium longiflorum* Thunb.)'. |
| 1988 | Master of Applied Science (first class honors), Center for Resource Management, Lincoln University, New Zealand. Multi-disciplinary study on `Barriers to the adoption of organic farming in Canterbury'. |
| 1985 | Bachelor of Science (Ecology) 1985. Botany Department, University of Auckland, New Zealand. |

**PROFESSIONAL EXPERIENCE**

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| Aug 2006 – present | Professor (previously Associate), Dept. of Environmental Horticulture, University of Florida. 40% research/60% extension floriculture. Director of university/industry consortium Floriculture Research Alliance (propagation research, floriculturealliance.org). Research areas include pH and micronutrient management, water quality and treatment, container substrates, stock plant and liner management, computer decision-support systems, cost accounting and efficiency. Extension lead for multi-state USDA project Clean WateR3 (water management outreach, watereducationalliance.org). Extension lead for UF Greenhouse Training Online professional development courses (over 500 graduates per year, including 19% international and 16% Spanish language). |
| Aug 1996-2006 | Associate (previously Assistant) Professor, Dept. of Plant Biology, University of New Hampshire. 40% research/40% extension/20% teaching. Teaching: undergraduate Environmental Horticulture PBIO 547 (2nd year), additional courses in greenhouse management, graduate and undergraduate research supervision, coordinator for undergraduate Environmental Horticulture major. |
| Apr 1995-June 1996 | Post-graduate researcher, Dept. of Environmental Horticulture, University of California at Davis. Crop modeling of ornamental potted plants and cut roses. Co-taught graduate-level course (ENH 241) on diagnosing horticultural plant problems. |
| Jul 1991-Apr 1995 | Visiting scholar and research assistant, Department of Horticulture at Michigan State University. Quantified development and elongation responses of poinsettia and Easter lily. Developed *The Greenhouse CARE System,* the first commercially-available expert system for the ornamental greenhouse industry. |
| May-July 1993 | Visiting scientist, Horticulture Section, KVL, Copenhagen, Denmark. Developed first automated link between a biological model and a greenhouse environmental computer for growing a crop to target flowering date specifications. |
| Apr 1989-May 1991 | Research associate, Biological Modelling Unit and Sustainable Agriculture Program, Ministry of Agriculture and Fisheries (MAF), New Zealand. Developed extension database on sustainable agriculture. Represented MAF modeling and sustainability programs to farmer, public and scientific organizations. Provided computer decision-support training. |

**Recent Refereed Articles (Journal and Proceedings)**


1. Gibson, K.W., A.J. Lamm, F. Masambuka-Kanchewa, P.R. Fisher, and C. Gomez. 2020. Identifying Indoor Plant Propagation Research and Education Needs of Specialty Crop Growers. HortTechnology. https://doi.org/10.21273/HORTTECH04622-20.
2. Solis-Toapanta, E.*, P.R. Fisher, and C. Gómez. 2020. Growth Rate and Nutrient Uptake of Basil in Small-Scale Hydroponics. HortScience 55(4):507–514. https://doi.org/10.21273/HORTSCI14727-19.

3. Freyre, R., S. Flores*, P.R. Fisher, C. Gomez. 2020. Producing edible ginger as a container crop. Proceedings from the III. International Symposium on Root Crops, International Horticulture Congress. Acta Hortic. 1251. DOI 10.17660/ActaHortic.2019.1251.16.
4. Fisher, P.R., Adegbola, Y.U.*, and A.W. Hodges. 2020. Economic evaluation of manual and robotic transplanting of plant cuttings. Proceedings from the III. International Symposium on Innovation and New Technologies in Protected Cultivation Strategies and Technologies, International Horticulture Congress. Acta Hortic. 1271. DOI 10.17660/ActaHortic.2020.1271.31
5. Warner, L. A., Lamm, A. J., White, S. A., Fisher, P. R., & Beattie, P. N. 2020. A new perspective on adoption: Delivering water conservation extension programming to nursery and greenhouse growers. Journal of Agricultural Education, 60(1), 172–189. doi:10.5032/jae.2020.01172
6. Dickson, R.W.* and Fisher, P.R. 2019. Quantifying the acidic and basic effects of fifteen floriculture species grown in peat-based substrate. Proc. Int. Symp. on Growing Media, Soilless Cultivation, and Compost Utilization in Horticulture. Acta Horticulturae DOI 10.17660/ActaHortic.2019.1266.47
7. Lamm, A. J., Warner, L. A., Beattie, P., Tidwell, A., Fisher, P. R., & White, S. A. 2019. Identifying opportunities to promote water treatment practices among nursery and greenhouse growers. HortTechnology 29:687-692.
8. Harris, C.N., R.W. Dickson, P.R. Fisher, A.M. Poleatewich, and B.E. Jackson. 2019. Evaluating peat-based substrates amended with wood products for nitrogen immobilization and effects on plant performance with container-grown petunia *(Petunia × hybrida* Vilm-Andr.). HortTechnology https://doi.org/10.21273/horttech04526-19.
9. Lamm, A.J., L.A. Warner, A.S.D. Tidwell, K.W. Lamm, P.R. Fisher, and S.A. White. 2019. Testing an Adoption Decision-Making Model of Nursery and Greenhouse Growers. Water Special Issue on Irrigation and Water Resources Management of Landscape Plants 11(12) 2470; doi:10.3390/w11122470. *Editor's Choice Award.*
10. Yafuso*, E.J., P.R. Fisher, A.C. Bohórquez, and J. Altland. 2019. Water and air relations in propagation substrates. HortScience 54(11):2024-2030.
11. White, S.A., J.S. Owen, J.C. Majsztrik, L.R. Oki, P.R. Fisher, C.R. Hall, J.D. Lea-Cox, and R.T. Fernandez. 2019. Greenhouse and Nursery Water Management Characterization and Research Priorities. Water, Special Issue Irrigation and Water Resources Management of Landscape Plants 11:2338 doi:10.3390/w11112338.
12. Huang, P., A.J. Lamm, L.A. Warner, S.A. White, & P.R. Fisher. 2019. Exploring nursery growers' relationships with water to inform water conservation education. Journal of Human Sciences and Extension 7(3):186-205.
13. Dickson*, R.W. and P.R. Fisher. 2019. Quantifying the acidic and basic effects of vegetable and herb species in peat-based substrate and hydroponics. HortScience 54(6):1093–1100. 2019. https://doi.org/10.21273/HORTSCI13959-19.
14. Paz, M.*, P.R. Fisher, and C. Gómez. 2019. Minimum light requirements for lettuce growth and quality for indoor urban gardening. Urban Forestry and Urban Greening 4:190001. doi.org/10.2134/urbanag2019.03.0001.
15. Yafuso*, E.J., P.R. Fisher, and A.C. Bohórquez. 2019. Quantification of poinsettia root growth by image scans or x-ray computed tomography scans in three propagation substrates at varied moisture levels. Communications in Soil Science and Plant Analysis 50(18):2354-2367. https://doi.org/10.1080/00103624.2019.1659305.
16. Huang*, J. and P.R. Fisher. 2019. Survey of Suspended Solids in Irrigation Water and Filtration for Plant Nurseries. Journal of Irrigation and Drainage Engineering 145(6): https://doi.org/10.1061/(ASCE)IR.1943-4774.0001391.
17. Grant*, G.A., P.R. Fisher, J.E. Barrett, and P.C. Wilson. 2019. Removal of Agrichemicals from Water Using Granular Activated Carbon Filtration. Water, Air, & Soil Pollution 230: 7. https://doi.org/10.1007/s11270-018-4056-y.
18. Adegbola*, Y.U., P.R. Fisher, and A.W. Hodges. 2019. Economic Evaluation of Transplant Robots for Plant Cuttings. Scientia Horticulturae 246:237-243.