

PETER V. OUDEMANS

Position: Professor, Rutgers University

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PROFESSIONAL EXPERIENCE

2015 Professor, Department of Plant Pathology, Rutgers University

EDUCATION

1990 Ph.D., Plant Pathology, University of California, Riverside

Research Topic: Biochemical Systematics in the Genus *Phytophthora*

Major Professor: Dr. M.D. Coffey

AWARDS

American Phytopathological Society Recognition for Outstanding Service – Section Chair

American Cranberry Growers Association Appreciation for Service (1999)

American Phytopathological Society, Northeast Division Early Career Achievement Award (2000)

RESEARCH GRANTS (selected)

USDA-NRCS CIG 2015-2017. \$75,000. Improving Blueberry Soil Health for Sustainable Production

NJ Blueberry Cranberry Research Council 2015-2016. \$53,000. Improving disease control strategies for blueberry and cranberry

NE IPM 2015-2017. \$39,915. Cranberry Fruit Rot Working Group (E. Saalau-Rojas PI)

SCIENTIFIC ARTICLES (selected)

DeMarsay, A. and P.V. Oudemans (in prep) Reservoirs of Overwintering *Colletotrichum acutatum* Infection in Highbush Blueberry, Plant Disease

Rodriguez-Saona, C., Polk, D., Oudemans, P.V., Holdcraft, R., Zaman, F.U., Isaacs, R. and Cariveau D. (submitted) Landscape features determine the abundance and distribution of *Rhagoletis mendax*, a key fruit fly pest of blueberries. Agriculture, Ecosystems and Environment

Waller, T.J. Vaiciunas, J., Constantelos, C., and Oudemans P.V. (submitted) Evidence that blueberry floral extracts influence the growth and development of *Colletotrichum fioriniae*. *Phytopathology*

Kerry, R., P. Goovaerts, D. Giménez, P. Oudemans, E. Muñiz (2016) Investigating geostatistical methods to model within-field yield variability of cranberries for potential management zones. *Precision Agriculture* 17(3)247–273

Kerry, R., P. Goovaerts, D. Gimenez, P. Oudemans (2015). Investigating geostatistical methods to model within-field yield variability of cranberries. *Precision Agriculture* 10.1007/s11119-015-9408-7.

- Patel, N., P.V. Oudemans, B.I. Hillman and D.Y. Kobayashi (2013) Use of the tetrazolium salt MTT to measure cell viability effects of the bacterial antagonist *Lysobacter enzymogenes* on the filamentous fungus *Cryphonectria parasitica*. *Antonie van Leeuwenhoek Journal of Microbiology* accepted
- Doyle, V. P., P. Oudemans, S. Rehner, and A. Litt. 2013. Regional sampling reveals habitat and host as useful indicators of lineage identity in *Colletotrichum gloeosporioides* s.l. from wild and agricultural landscapes in North America. *PLoS ONE* 8(5): e62394. doi:10.1371/journal.pone.0062394.
- Oudemans, P.V., B. I. Hillman, D. Linder-Basso; J.J. Polashock (2011) Visual inspections of nursery stock fail to protect new plantings from Blueberry scorch virus infection. *Crop Protection* 30: 871-875
- Constantelos, C. , V.P. Doyle, A. Litt, P.V. Oudemans (2011) First Report of *Gliocephalotrichum bulbilium* causing cranberry fruit rot in New Jersey and Massachusetts. *Plant Disease* 95:618
- Polashock, J. J., F. L. Caruso, P. V. Oudemans, P. S. McManus and J. Crouch (2009) Population structure of the North American cranberry fruit rot fungal community using morphological and phylogenetic affinities *Plant Pathology* 58, 1116–1127
- Oudemans, P.V., J.J. Polashock and B. Vinyard (2008) Fairy Ring Disease of Cranberry; Assessment of Crop Losses and Impact on Cultivar Genotype. *Plant Disease* 92: 616-622
- Robideau, G.P., F. Caruso, P.V. Oudemans, P.S. McManus, M.A. Renaud, M.E. Auclair, J. DeVerna, and C.A. Lévesque (2008) Detection of cranberry fruit rot using DNA array hybridization. *Canadian Journal of Plant Pathology* 30: 226-240
- Lehman, J.S., Igarashi, S., and Oudemans, P.V. (2007) Resistance to hyphal growth of *Monilinia vaccinii-corymbosi* in flowers and fruits of highbush blueberry cultivars. *Plant Disease* 91:852-856
- Phillips, A.J.L. P.V. Oudemans, A. Correia and A. Alves (2006) Characterisation and epitypification of *Botryosphaeria corticis*, the cause of blueberry cane canker *Fungal Diversity* 21:141-155

EXTENSION ACTIVITIES

Grower and extension meetings – Management related talks to blueberry and cranberry growers and field professionals in British Columbia, New Jersey, Pennsylvania and Wisconsin. Write newsletter articles related to disease management for blueberry and cranberry growers. Make routine farm visits to conduct field evaluation of disease. Develop workshops for growers such as “Detection of Blueberry Scorch Virus” and “An introduction to on farm GIS”

TEACHING ACTIVITIES

2000, 2002, 2004, 2006, 2008, 2012, 2014- Graduate Mycology
 2002, 2004, 2006, 2008, 2010, 2012, 2014 - Principles of Plant Pathology
 2015 – Plants and People

SERVICE ACTIVITIES

Dept. of Plant Pathology and Biology, Graduate Student Qualifying Exam Committee

Dept. of Plant Pathology and Biology, Graduate Admissions Committee, Chair

Science Advisory Committee for the Pinelands Commission Science Office – Invited Member

Associate Editor for Phytopathology (2001-2002)

Senior Editor for Plant Disease (2007-2008)