

**Roger T. Koide**  
**CURRICULUM VITAE**

July 2009

Department of Horticulture  
The Pennsylvania State University  
University Park, Pennsylvania 16802  
Phone: (814) 863-0710, Fax: (814) 863-6139  
Email: [rxk13@psu.edu](mailto:rxk13@psu.edu)

**EDUCATION**

Ph.D. in Botany, University of California, Berkeley, California (1984)  
B.A. in Biology (Magna cum laude), Pomona College, Claremont, California (1980)

**PROFESSIONAL EXPERIENCE**

Professor, Department of Horticulture, The Pennsylvania State University (1996-present)  
Associate Professor, Department of Horticulture, The Pennsylvania State University (1992-1996)  
Assistant Professor, Department of Biology, The Pennsylvania State University (1986-1992)  
Postdoctoral Affiliate, Biological Sciences, Stanford University, with H.A. Mooney (1984-1986)  
Teaching Assistant, Department of Botany, University of California, Berkeley  
Plant Physiology (1984)  
General Biology (1983, 1982)  
Introduction to California Plant Life (1982)  
Plant Biology (1982)  
General Ecology (1981)  
Research Assistant in Botany, University of California, Berkeley (1984, 1983, 1982)

**NATIONAL and INTERNATIONAL HONORS**

Fulbright Senior Scholar Award, Australia (1992-1993)  
NSF Presidential Young Investigator Award (1987-1992)

**RESEARCH GRANTS and FELLOWSHIPS**

The Pennsylvania State University

NESARE, Sustainable cropping systems for dairy farms in the northeastern US, \$400,000 Total (8 co-PIs, 2009-2013)

SunGrant (DOT), Contrasting soil carbon sequestration by soybean and canola, \$99,939 Total (2008-2011)

PA Soybean Promotion Board, Soil carbon sequestration, \$10,000 (2009-2010)  
PA Soybean Promotion Board, Soil carbon sequestration, \$10,000 (2008-2009)

NSF, Variation in saprotrophy among ectomycorrhizal fungi, \$66,195 (2006-2009)  
NSF, Temperature acclimation of roots and mycorrhizal fungi, \$265,187 Total (2003-2006)  
NSF, Effects of VAM Infection on Male Function of Plants, \$254,414 Total (1995-1999)  
NSF, Mycorrhizas and Plant Fitness, \$270,000 Total (1992-1996)

NSF, Presidential Young Investigator Award, \$312,000 Total (1987-1992)

USDA, Resource partitioning in the forest floor by hyphae of ectomycorrhizal fungi, \$270,000 Total (2002-2006)

USDA, Biotic and edaphic controls of ectomycorrhizal community structure and function, \$320,000 Total (1999-2002) with J. Dighton and J. Lussenhop

National Geographic Society, Plant-Microbial Symbioses in Maize/Pigeonpea Intercropping Systems in Zimbabwe, \$9,000 Total (1999-2004)

A.W. Mellon Foundation, The Role of Ectomycorrhizal Fungi in the Nitrogen Economy of *Pinus resinosa*, \$440,000 Total (1998-2004)

A.W. Mellon Foundation, Mycorrhizal Mycelium Persistence, \$187,000 Total (1993-2000)

A.W. Mellon Foundation, Plant/Soil Community Biology, \$125,000 Total (1990-1995)

A.W. Mellon Foundation, Plant/Soil Ecology, \$127,000 Total (1988-1992)

Fulbright Senior Scholarship, Australia (6 mos. study leave, 1992-1993)

American Floral Endowment, Mycorrhizal Fungi in Horticulture, \$23,630 Total (1997-1998)

American Floral Endowment, Mycorrhizal Fungi in Horticulture, \$22,513 Total (1996-1997)

Agriculture Experiment Station, (with J. Lynch, A. Jablokow), Efficiency of Plant Root Systems: A Quantitative Approach, \$100,800 Total (1991-1994)

Agriculture Experiment Station, Efficiency of Carbon Utilization in Mycorrhizal and Non-Mycorrhizal Plants, \$6,000 Total (1988-1990)

Penn State Research Initiation Grant, Mycorrhizal Infection on Crop and Wild Plant Growth, \$9,474 Total (1988-1989)

Biotechnology Institute Grant, Effects of Mycorrhizal Infections on Roots, \$9,747 Total (1987-1988)

#### University of California, Berkeley

University of California Regents Fellowship in Botany (1984, 1980-1981)

ARCO (Atlantic Richfield) Fellowship in Botany (1983-1984)

University of California Appropriate Technology Grant (1983)

University of California Chancellor's Patent Fund Grant (1982)

#### **OTHER HONORS**

Phi Beta Kappa (1980) Pomona College

ARCS Foundation Scholarship (1979-1980)

Tileston Prize in Physics (1979) Pomona College

Honors at Entrance (1976) Pomona College

National Merit Scholar (1976)

#### **SPEAKING ENGAGEMENTS**

##### Invited seminar and symposium talks

2009

Japan Conference on Mycorrhiza, Tottori University (Japan)

Workshop on Structure and Function in Ectomycorrhizal Communities, INRA-Nancy (France)

- 2008  
 Northeast Renewable Energy Conference, State College, PA  
 University of Georgia, Department of Plant Biology  
 USDA – ARS Pasture Systems and Watershed Management Research Unit
- 2007  
 Brigham Young University, Department of Microbiology  
 University of Pennsylvania, Department of Biology  
 Fordham University, Department of Biology  
 West Virginia University, Department of Biology  
 University of Georgia, Department of Plant Biology (cancelled due to illness)
- 2006  
 International Mycological Congress, Cairns, Australia  
 International Conference on Mycorrhizas, Granada, Spain
- 2005  
 Northern Arizona University, Department of Biology  
 Mycological Society of America / Mycological Society of Japan, Univ. HI, Hilo
- 2004  
 Hofstra University, Department of Biology  
 Shanghai Jiao Tong University, College of Life Sciences and Technology, Shanghai, PR China  
 Zhejiang University, College of Life Sciences, Hangzhou, PR China  
 Zhong Shan University, College of Life Science, Guangzhou, PR China
- 2003  
 Université Paul Sabatier, Equipe de MYCOLOGIE VEGETALE  
 Wageningen University
- 2002  
 Keynote address: Past progress and future perspective in AM research in Europe. AM Research in Europe - the Dawning of a Millenium, Meeting of COST 8.38, Pisa, Italy.  
 Yokohama National University, Department of Soil Ecology
- 2001  
 University of Illinois, Chicago, Department of Biological Sciences  
 International Society for Root Research, Nagoya, Japan
- 1998  
 Rutgers University, Department of Biology and Institute of Marine and Coastal Sciences  
 12th Annual Symposium in Plant Physiology, Phosphorus in Plant Biology, The Pennsylvania State University  
 National Grassland Research Institute, Department of Ecology, Nishinasuno, Tochigi, Japan Japan  
 Conference on Mycorrhiza 1998, Nishinasuno, Tochigi, Japan  
 Nagoya University, Department of Crop Science, Nagoya, Japan  
 Consortium of Japanese Mycorrhiza Inoculum Producers, Tokyo, Japan
- 1997  
 Phytochemical Society of North American and Phytochemical Society of Europe, Noordwijkerhout, The Netherlands  
 11th Annual Symposium in Plant Physiology, Radical Biology, The Pennsylvania State University  
 Mycological Society of America, University of Montreal
- 1996  
 Ohio State University, Department of Plant Science  
 Premier Tech (Premier, Riviere-du-Loup, Quebec)
- 1995  
 University of Guelph, Department of Botany
- 1994

Rutgers University, Department of Biology  
 Millersville University, Department of Biology (canceled due to weather)  
 Lycoming College, Department of Biological Sciences

1993

University of Queensland, Brisbane, Queensland, Australia, Department of Botany  
 University of Queensland, Brisbane, Queensland, Australia, Department of Agriculture  
 University of Sydney, Sydney, New South Wales, Australia, School of Biology  
 University of Western Australia, Nedlands, Western Australia, Department of Soils and Plant  
 Nutrition  
 University of Adelaide, Adelaide, South Australia, Department of Botany  
 Waite Agricultural Research Institute, Glen Osmond, South Australia  
 Ninth North American Conference on Mycorrhiza, University of Guelph

1992

International Symposium on Management of Mycorrhizas in Agriculture, Horticulture and Forestry,  
 Perth, Western Australia (did not attend)  
 University of Nevada, Las Vegas, Department of Biology  
 Utah State University, Department of Range Science

1991

The Pennsylvania State University, Department of Plant Pathology  
 The Pennsylvania State University, Department of Agronomy (Soils group)  
 USDA Appalachian Soil and Water Conservation Research Laboratory, Beckley, WV  
 Lebanon Valley College, Department of Biology  
 University of Arizona, Department of Ecology and Evolutionary Biology  
 Third European Symposium on Mycorrhizas, Sheffield, England  
 USDA ARS, Eastern Regional Research Laboratory, Philadelphia  
 The Pennsylvania State University, Department of Biology

1990

Eighth North American Conference on Mycorrhiza, Jackson Hole (2 invited symposium talks)  
 The Pennsylvania State University, Program in Ecology

1988

University of Georgia, Department of Botany  
 The Pennsylvania State University, Department of Plant Pathology

1984

University of California, Department of Botany  
 University of Utah, Department of Biology  
 Harvard University, Department of Organismic and Evolutionary Biology  
 University of Missouri, St. Louis. Department of Biology

#### Other Oral or Poster Presentations

ESA (2009) Albuquerque, NM (Hoeksema JD et al.)  
 ESA (2008) Milwaukee, WI. (Malcolm GM (speaker) with López-Gutiérrez JC, Koide RT,  
 Eissenstat DM)  
 Penn State University, Scranton, Biology, GM Malcolm, speaker, with co-authors López-Gutiérrez  
 JC, Koide RK, Eissenstat DM  
 Cambridge University, Department of Zoology, Ecology Lunchtime Series, GM Malcolm, speaker,  
 with co-authors López-Gutiérrez JC, Koide RK, Eissenstat DM  
 MEEC (Midwest Ecology & Evolution Conference, 2007) Kent, OH, GM Malcolm, speaker, with  
 co-authors López-Gutiérrez JC, Koide RK, Eissenstat DM  
 MEEC (Midwest Ecology & Evolution Conference, 2007) Kent, OH (JN Sharda, RT Koide)  
 ASPB (2007) Chicago (JN Sharda, RT Koide)

ESA (2006) Memphis (G Malcolm, RT Koide)  
 ICOM 5 (2006) Granada (G Malcom, RT Koide)  
 ICOM 5 (2006) Granada (Y Lekberg, RT Koide)  
 ESA (2005) Montreal (G Malcolm, RT Koide)  
 SES (2005) Chicago, IL (YL Besmer, RT Koide, J Rohr, L Aldrich-Wolfe, J Morton)  
 ICOM4 (2003) Montreal, Quebec, Canada (YL Besmer, RT Koide, SJ Twomlow)  
 ICOM4 (2003) Montreal, Quebec, Canada (B Xu, JN Sharda, RT Koide)  
 ICOM4 (2003) Montreal, Quebec, Canada (T Wu, JN Sharda, RT Koide)  
 ICOM4 (2003) Montreal, Quebec, Canada (L Jonsson, J Dighton, J Lussenhop, RT Koide)  
 SES (2003) Palm Springs, CA (YL Besmer, RT Koide, SJ Twomlow)  
 SES (2003) Palm Springs, CA (N Kaneko, TM Ito, A Toyota, M Hashimoto, RT Koide)  
 SES (2003) Palm Springs, CA (B Xu, JN Sharda, RT Koide)  
 Fertility in Southern Africa (2002) Zimbabwe (YL Besmer, RT Koide, SJ Twomlow)  
 ESA (2002) Tucson, AZ (with LM Jonsson, J Dighton, J Lussenhop)  
 ESA (2002) Tucson, AZ (with YK Besmer & RJK Meyers)  
 ESA (2001) Madison Wisconsin (with L. Jonsson, J. Dighton, J Lussenhop)  
 ICOM 3 (2001) Adelaide, Australia (with Ian Dickie)  
 ICOM 3 (2001) Adelaide, Australia (with Y. Besmer)  
 ICOM 3 (2001) Adelaide, Australia (with A Nakano, K Takahashi, M Kimura)  
 Soil Ecology Society (2001), Georgia, (with T. Wu)  
 Soil Ecology Society (2001), Georgia, (with I Dickie)  
 Soil Ecology Society (2001), Georgia, (with Y. Besmer)  
 Ecological Society of America (2001) (with I. Dickie & K. Steiner)  
 Ecological Society of America (2001) (with L. Jonsson, J. Dighton, J. Lussenhop)  
 Undergraduate and Graduate Student Research Exhibition, College of Agricultural Sciences, Penn State University, March 14-15, 2000 (posters by A. Fayish, I. Dickie, K. Steiner, R. Koide; and I. Dickie, K. Steiner, R. Koide)  
 Sustainable Management of Soil Organic Matter, British Society of Soil Scientists, September 1999, Edinburgh, Scotland  
 International Conference on Mycorrhiza, 5-10 July 1998, Uppsala, Sweden  
 Department of Biological Sciences, Stanford University, 5 March 1996  
 Department of Integrative Biology, University of California, Berkeley, 4 March 1996  
 Soil Ecology Society (1995) Colorado State University  
 Ecological Society of America (1991) San Antonio, Texas  
 Ecological Society of America (1990) Snowbird, Utah  
 Ecological Society of America (1989) University of Toronto  
 Ecological Society of America (1988) University of California, Davis  
 American Society of Plant Physiologists (1984) University of California, Davis

## **SUPERVISION OF RESEARCH (students and postdoctorals)**

### Postdoctoral researchers

Mingguang Li, 1991, currently Professor, Sun Yatsen University, Biology Department  
 Ian Sanders, 1991-1992, currently Professor, University of Lausanne, Institute of Ecology  
 Durland Shumway, 1991-1996, currently Professor, Frostburg State U, Department of Biology  
 Sieglinde Snapp, 1992-1993 (with J. Lynch), currently Professor, Michigan State U, Plant and Soil Science  
 Julie Whitbeck, 1993-1995 (with D. Eissenstat), currently Research Professor, University of New Orleans, Biological Sciences

Heather Addy, 9/95 - 12/96, currently Senior Instructor, Dept. Biological Sciences, University of Calgary  
 Zangahir Kabir, 8/97 - 7/00, formerly Research Manager, Sustainable Agriculture Farming Systems Project, Dept. Land Air and Water Resources, University of California, Davis; currently Associate Environmental Research Scientist, California EPA, Sacramento, CA  
 Lena Jonsson, 2/00 – 12/03  
 Ian Dickie, 9/00 - 6/01, former postdoc at U Minnesota, currently Landcare Research, New Zealand  
 Bing Xu, 9/01 – 6/04, currently postdoc at U. Manitoba  
 Ylva Lekberg, 7/04 – 3/05, currently postdoc, University of Copenhagen  
 Juan Carlos Lopez Gutierrez, 7/04 – 6/07, currently postdoc Holden Arboretum, Kirtland, OH  
 Glenna Malcolm, 1/08 – 8/08, currently postdoc PSU Plant Pathology

#### Graduate students

David Bryla, MS 1989, Ecology, currently Scientist, USDA, ARS, Corvallis, OR  
 James Lewis, MS 1989, Ecology, currently Professor, Fordham U, Biological Sciences  
 Roger Paul Schreiner, PhD 1992, Plant Physiology, currently Scientist, USDA, ARS, Corvallis, OR  
 Lynn Staszak, MS 1991, Biology  
 Xiaohong Lu, PhD 1993, Plant Physiology  
 Margot Stanley Bram, MS 1992, Biology, currently postdoc, Patrick Center for Environmental Research, Philadelphia  
 Karen Baker, MS 1995, Plant Physiology  
 Edward Boswell, MS 1996, Horticulture  
 Jennifer Poulton, PhD 2000, Biology (with A. Stephenson), currently Professor, Graceland U (Iowa), Biology  
 Laura Suomi, MS 1998, Ecology, currently District Manager Oxford County Soil and Water Conservation  
 Tiehang Wu, PhD 2002, Horticulture, formerly postdoc, University of Florida; currently postdoc University South Florida  
 Melissa Goff, MS 2000, Horticulture, Agricultural Research Technician, USDA-ARS Pasture Research Lab  
 Ian Dickie, PhD 2000, Ecology, currently Scientist at Landcare Research (New Zealand)  
 Ylva Lekberg, PhD 2004, Ecology, formerly postdoc, University of Montana and Montana State University; currently postdoc University Copenhagen  
 Jori Murchie, PhD (2003-present), Plant Physiology  
 Glenna Malcom, (2003-2008), PhD 2008, Ecology, postdoc PSU Plant Pathology  
 Joshua Herr, PhD, (2006-2008), Plant Biology  
 Christopher Fernandez, PhD (2008-present), Ecology  
 Krittika Petprakob, PhD (2008-present), Ecology

#### Undergraduate students

Brent Haynes, BS 1990  
 Jonathan Riches, BS 1991  
 Carla Picardo, BA 1994, Harvard College  
 Stephen Mabon, BS 1992  
 Barbara Prahl, BS 1993 (Biology)  
 Edward Boswell, BS 1994 (Biology)  
 Michael O'Connell, BS 1996  
 Tara Feinberg, BS 1998, Wellesley College  
 Aaron Fayish, BS 2003 (Agricultural Engineering)  
 Erin Wakefield, BS 2002 (Biology)

Tara Chrzanowski, BS 2007 (Ecotoxicology)  
 Franz Lichtner, BS 2009 (Biology)  
 Carrie Knoop, BS 2007 (Horticulture)  
 Kyle Ashby, BS 2008 (Biology)

Other dissertation committees:

Tak-Cheung Lau, PhD, Biology (1993)  
 David Cox, PhD, Entomology (1992)  
 James Loughran, PhD, Agronomy (withdrawn)  
 Wilella Burgess, MS, Ecology (1987)  
 James Strauss, MS, Biology (1989)  
 Edward Dix, MS, Botany (1990)  
 Durland Shumway, PhD, Forestry (1991)  
 Charles Barden, PhD, Forestry (1989)  
 Michelle Briggs, PhD, Entomology (1988)  
 Mark Kubiske, MS, PhD, Forestry (1993)  
 Greg Nowacki, PhD, Forestry (1993)  
 Colin Nicols-Orians, PhD, Entomology (1990)  
 Philip Hammer, PhD, Plant Physiology (1993)  
 Kerry Campbell, PhD, Agronomy (withdrawn)  
 Eva Katherine Rauser Gounaris, MS, Biology (1990)  
 Brian Kloepfel, MS, Forestry (1991)  
 Simon McQueen-Mason, PhD, Plant Physiology (1993)  
 Scott Subler, PhD, Ecology (1993)  
 Brian Joyce, MS, Forestry (1992)  
 David Orwig, PhD, Forestry (1993)  
 Marilyn L. Schroeder, PhD, Horticulture (withdrawn)  
 Callie Pickens, PhD, Ecology (1995)  
 Joseph A. Ciardi, PhD, Horticulture (1996)  
 George Jing, PhD, Plant Pathology (1996)  
 Mark W. Goodson, PhD, Agronomy (withdrawn)  
 Irene Mbugua, PhD, Horticulture (1997)  
 Kai L. Nielsen, PhD, Horticulture (1997)  
 Elvira Keller, PhD, Plant Physiology (1996)  
 Sunyo Jung, MS, Plant Physiology (1994)  
 Wei Qiang Yang, MS, Horticulture (1996)  
 Neal Barto, PhD, Horticulture (withdrawn)  
 Laura Phillips, MS, Forestry (1997)  
 Michael Demchik, PhD, Forestry (1998)  
 Michael Dockry, MS, Forestry (1996)  
 Carlos Mendez, MS, Horticulture (1997)  
 Andrea Nord, MS, Ecology (1998)  
 Eric Nord, MS, Ecology (1998)  
 Campbell Plowden, PhD, Ecology (2001)  
 Jeff Gerwing, PhD, Ecology (2002)  
 Bryan Black, PhD, Forestry (2003)  
 John Freytag, PhD, Biology (2003)  
 Lisa Kelso, PhD, Forestry (2003)  
 Jessica Smith, MS, Forestry (2002)  
 Leslie Long, MA, Plant Pathology (2004)

Taryn Bauerle, PhD, Horticulture (2007)  
 Zaneta Hough, MS, Ecology (2006)  
 Jenny Edwards, MS, Ecology (2005)  
 Ann Widrig, MS, Horticulture (2005)  
 Magalhaes Miguel, MS, Horticulture (2004)  
 Patrick Ryan, MS, Ecology (2005)  
 Genevieve (Gennie) A. Romanello, M.S., Ecology (2009)  
 Robert Duncan Cameron, PhD, Horticulture (anticipated 2010)  
 Kevin Mueller, PhD, Ecology (anticipated 2010)  
 Benjamin Hoover, PhD, Horticulture (anticipated 2010)  
 Rachel Melnick, PhD, Plant Pathology (anticipated 2011)  
 Marshall D. McDaniel, PhD, Crop and Soil Sciences (anticipated 2012)

International Dissertation Examiner for:

Megan Ryan, PhD, Botany (Australian National University, 1998)  
 Evelina Facelli, PhD, Soil Science (University of Adelaide, 1998)  
 Mayra Gavito, PhD, Land Resource Science (University of Guelph, 1996)  
 Patrick O'Connor, PhD, Soil Science (University of Adelaide, 2001)  
 Gafur Sutarman, PhD, Soil Science and Plant Nutrition (University of Western Australia, 2002)  
 Renske Landeweert, PhD, Soil Science (Wageningen University, 2003)  
 Huiying Li, PhD, Earth and Environmental Sciences (University of Adelaide, 2005)

**DEPARTMENT, COLLEGE AND UNIVERSITY SERVICE**

Biology Department

Committee for Fundraising for Biology Laboratory Courses (1991-1992)  
 Physiological Ecologist Search Committee (1991-1992)  
 Student Awards Committee (1991-1992)  
 Advisory Committee (1989-1991)  
 Strategic Planning Committee (1989-1990)  
 Eberly Chair in Biology Search Committee (1987)  
 Plant Developmental Biologist Search Committee (1989)  
 Editor of Booklet: Graduate Study in Biology, Penn State (1987)  
 Greenhouse/Herbarium Committee Chairman (1987-1989)  
 Seminar Series Committee Chairman (1987-1988)  
 Space Committee (1988-1989)  
 Hammond, Hill and Popp Scholarship Awards Committee Chairman (1988-1990, 1991-1992)  
 Plant Molecular Biologist Search Committee (1990-1991)  
 Faculty Awards Committee Chairman (1991-1992)

Horticulture Department

Advisory Committee (2008- )  
 Student Recruitment Committee (2006- )  
 Curriculum Committee (2000- )  
 Chairman, Promotion and Tenure Committee (2000-2001)  
 Promotion and Tenure Committee (elected, 1995-2001)  
 Exploratory Committee for Plant Physiologist (1999)  
 Growth Chamber Committee (1992-1995, 1999-present)  
 Strategic Planning Committee (1998-1999)  
 Search Committees for Head (1995-1996, 1996-1997)

Awards Committee (1994-1995)  
Graduate Student Admissions (1992-2001)  
Graduate Student Seminar (1992-1995)  
Social Committee (1994-1995)  
Search Committee for Pomologist (1994)

#### College of Science

College of Science Research Initiation Grant Selection Committee (1990-1992)

#### College of Agricultural Sciences

AGECO Advisory Committee (2006 - )  
Faculty Advisory Committee to the Dean (1995-1998)  
Participant in Interview Process for Dean of the College of Agricultural Sciences (1996)  
College Strategic Planning Committee (1995-1996)

#### Intercollege Programs

Curriculum Committee, Graduate Program in Ecology (2008 - )  
Candidacy Committee, Chair, Graduate Program in Ecology (2003-2008)  
Candidacy Committee, member, Graduate Program in Ecology (2002-2003)  
Admissions Committee, Graduate Program in Ecology (1987-1989, 1990-1992)  
Candidacy Committee, Graduate Program in Plant Physiology (1989-1990, 1997-1998)  
College of Agriculture Integrated Crop Management Committee (1990-1991)

### **PROFESSIONAL SERVICES**

Board of Advisors to the Editors, New Phytologist April 2002 - present  
Panel Member, NSF, Ecosystem Studies, 2003 - 2007  
Panel Member, USDA Soils and Soil Biology, NRI Grants Program, April 2003  
Declined Panel Membership, USDA Managed Ecosystems, NRI Grants Program, March 2003  
Declined Panel Membership, USDA Soils and Soil Biology, NRI Grants Program, April 2001  
Panel Member, USDA Soils and Soil Biology, NRI Grants Program, April 1998  
Ad hoc reviewer for American Naturalist, Annals of Botany, Annals of Forest Science, Biotropica, BioEnergy Research, Canadian J. Botany, Canadian J. Forest Research, Ecography, Ecology, Ecological Monographs, Evolution, Experimental Mycology, Functional Ecology, Fungal Ecology, International Journal of Plant Sciences, JASHS, J. Applied Microbiology, J. Ecology, J. Plant Physiology, Microbial Ecology, Mycological Research, Mycorrhiza, New Phytologist, Oecologia, Plant Ecology and Diversity, Plant Physiology, Plant and Soil, Planta, Physiologia Plantarum  
Ad hoc reviewer for USDA competitive grants: Environmental Stress, Biological Stress, Plant Pathology, Plant Responses to the Environment  
Ad hoc reviewer for NSF competitive grants: Ecosystems, Ecological Biology, Population Biology and Physiological Ecology, Integrative Plant Biology, Systematic and Population Biology, CAREER Program, Ecological and Evolutionary Physiology, Biocomplexity  
Ad hoc reviewer for NSERC (Canada)  
Ad hoc reviewer for The Israel Science Foundation  
Ad hoc reviewer for National Environment Research Council (UK)  
Ad hoc reviewer for American Floral Endowment

### **COURSES OFFERED**

Physiological Ecology (BIOL 446/544) 1986, 1988, 1990, 1992  
Physiology of Mycorrhizal Plants (BIOL 597b/PLPHY 597b) 1987  
Plant Water Relations (BIOL 444) 1988, 1989, 1991  
Introductory Biology (BIOL 102) 1988, 1989, 1990, 1991, 1992  
Plant Water Relations (HORT 440W) 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2007  
Plant Ecology (HORT 445) 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004,  
2006, 2007, 2008  
Plants in the Human Context (HORT 150), 2008, 2009  
Classical Ecology (ECLGY 497a), 2007

## **OTHER**

Roger Paul Schreiner received the Popp Award in botanical sciences from the Department of Biology.

Ian Dickie placed 1st in the graduate division (biological sciences) in the 2000 College of Agricultural Sciences Research Exhibition. Ian also receive the Gerald T. Gentry Award for Excellence in Graduate Research (Awarded by Gamma Sigma Delta and the College of Agricultural Sciences). He received the Horton Award in Ecology in April 2000 and the outstanding teaching assistant award from the LSC in 2000.

Ylva Besmer received a PSU Alumni Association Dissertation Award in 2004.

Glenna Malcolm received best student Oral Presentation Award at the Midwest Ecology and Evolution Conference (Kent, Ohio) in 2007.