

Gary P. Munkvold

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Education

Ph.D., Plant Pathology, University of California, Davis; 1992
M.S., Plant Pathology, University of Illinois, Urbana-Champaign; 1988
B.S., Forestry, University of Illinois, Urbana-Champaign; 1986

Professional Experience

2010– present: Professor, Dept. of Plant Pathology and Microbiology, Iowa State University
2008– present: Chair, Graduate Program in Seed Technology and Business (on-line), Iowa State University
2006 – 2010: Associate Professor and Seed Science Endowed Chair, Dept. of Plant Pathology and Microbiology, Iowa State University
2003 – 2006: Research Coordinator, Pathology, Entomology, & Seed Science, Pioneer Hi-Bred Int., Inc.
2000 – 2002: Chair, Toxicology Graduate Program, Iowa State University
1993 – 2002: Assistant and Associate Professor; Extension Plant Pathologist, Dept. of Plant Pathology, Iowa State University

Awards and Honors

- ISU College of Agriculture and Life Sciences Distance-Education Teaching Award, 2013
- Iowa State University Seed Science Endowed Chair, 2006-2011
- Innovator's Award, Iowa Distance Learning Association, 2006 (MS Agron program)
- Outstanding Service Award, ISU MS Agronomy Distance-Education Program, 2002
- Novartis Award for applied plant pathology research, 2000; Am. Phytopathol. Society
- Certificate of Excellence, Am. Soc. of Agronomy, 2000
- Life Science Excellence Award, Monsanto Co., 1999
- Iowa State University Extension New Professional Award, 1997

Professional Service, Editing and Outreach Activities

- Faculty Senate Representative, ISU Dept. of Plant Pathology and Microbiology, 2015-
- Director for Graduate Education, ISU Plant Pathology Graduate Program (2007-)
- Co-Director, National Seed Health System Administrative Unit, (2006-)
- ISU Graduate Council, 2009-2011; 2012-2015
- Chair, USDA-ARS Office of Scientific Quality Review Panel, NP 303, Panel 4 (2006)
- ISU College of Agriculture Off-Campus Degree Supervisory Committee, 1997-2000
- ISU MS Agronomy On-line Curriculum Development Committee, 1997-2002
- American Phytopathological Soc. Awards and Honors Committee (2014-2016)
- American Phytopathological Soc. Nominations Committee (2010-2012)
- Seed Health Committee, International Seed Testing Association (2010-)
- Lead Editor, Compendium of Corn Diseases, 4th Ed. APS Press (with Dr. Don White, Univ. of IL)

- Book project Co-Editor, "Global perspectives on the health of seeds and plant propagation materials" (with Dr. Lodovica Gullino, Univ. of Torino) published 2014
- Co-Editor for *Phytopathologia Mediterranea* special issue on mycotoxins, 2011
- Associate Editor, *Seed Technology*, 2008 - 2012 Planning Committee, American Phytopathological Soc. NC Division Annual Meeting (2009)
- Organizer & Moderator, APS NC Division Annual Meeting Special Session, 'Implications of plant diseases in biofuel production' (2009)
- Organizer, APS NC Division Annual Meeting Workshop, 'Seed Health Testing' (2009)
- American Phytopathological Soc. Seed Pathology Committee (2006-), Vice-Chair, 2010-2011, **Chair**, 2012-2013
- Selection Committee, APS Foundation, Pioneer Fellowship in Plant Pathology (2005)
- Selection Committee, I.E. Melhus Symposium, APS Annual Meeting (2005)
- APS Sustaining Associate Representative, Pioneer Hi-Bred Int., Inc. (2005-2006)
- American Phytopathological Soc. Office of Industry Relations (2004-2006)
- American Phytopathological Soc. Industry Committee (2004-2006)
- Awards Committee, American Phytopathological Soc. NC Division (1999)
- Planning Committee, American Phytopathological Soc. NC Division Annual Meeting (1998)
- American Phytopathological Soc. Standardization of Common Names of Plant Diseases Committee (1998-2000)
- American Phytopathological Soc. Mycotoxicology Committee (1997-2002), **Chair**, 2000-2001
- American Phytopathological Soc. Extension Committee (1994-1997), **Chair**, 1996
- Senior Editor, APS Press, 2007-2012
- Senior Editor, *Plant Disease*, 2001-2003; Associate Editor, *Plant Disease*, 1997-1999
- Editor, Corn and Sorghum Section, Biological & Cultural Tests, 1998-2001
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Responsibilities – Professor of Plant Pathology

Research (80%) Plant pathogens that affect the production and utilization of seeds, emphasizing the epidemiological aspects of seedborne fungi, bacteria and viruses, and the management of diseases in seed production on a range of different crops.

Teaching (20%) and Academic Advising I teach graduate-level courses in seed pathology and seed health (on-campus and asynchronous learning format), and contribute to other courses for graduate and undergraduate students, including:

- *PI P 494 / 594. Seed Pathology.*
- *STB / PI P 592. Seed Health Management*
- *PI P 691. Field Plant Pathology*
- *PI P 590. Plant Pathology Methods*
- *PL P 512X. Lifestyles of plant pathogenic fungi and oomycetes*
- *Agron 514. Integrated Pest Management.*
- *Agron 533. Crop Protection.*

I am major professor for graduate students in the Plant Pathology, Microbiology, Toxicology, M.S. Agronomy, and Seed Technology and Business degree programs, and serve on Program-of-Study committees for students in these and other programs. In this capacity I have advised more than 75 graduate students, 25 of whom are or were enrolled in distance-education degree programs.