

JAMES W. MOYER
Associate Dean for Research
Director of the Agricultural Research Center

Contact Information:

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Education:

<u>Institution</u>	<u>Year</u>	<u>Degree</u>	<u>Major</u>
Washington State University	1971	B.S.	Agronomy
Pennsylvania State University	1973	M.S.	Plant Pathology
Pennsylvania State University	1975	Ph.D.	Plant Pathology

Professional Experience:

1975-1976 Postdoctoral Research Plant Pathologist, University of California-Davis
1976-1981 Assistant Professor, Dept of Plant Pathology, North Carolina State University
1981-1987 Associate Professor, Dept of Plant Pathology, North Carolina State University
1987-2013 Professor, Dept. of Plant Pathology, North Carolina State University
1994-1997 Interim Head & Associate Member, Department of Biochemistry, NCSU
2008 – 2009 President, American Phytopathological Society (Presidential lineage 2006-10)
2002-2013 Professor and Head, Department of Plant Pathology, N. C. State University.
2013- Present Professor Emeritus, North Carolina State University
2013- Present Associate Dean and Director of Agricultural Research Center, CAHNRS,
Washington State University

Assignment:

2013 – Present Associate Dean and Director ARC, CAHNRS, WSU
2002-2013 Head, Depart of Plant Pathology
Current Teaching: PP 501 Virology Module
PP 707 1/3 Plant Microbe Interactions
1976-2002 Teaching: Introductory Plant Virology (PP502, later PP505), 10-15 students annually
1976-1987 Responsible for sweetpotato diseases and improving levels of resistance to major diseases of sweetpotato in new germplasm and cultivar releases
1987-Present Research on major viruses and virus diseases of vegetable, ornamental and field crops with special emphasis on virus diseases of sweet potato and the molecular characterization of Tospoviruses

Awards/Honors:

1999: Japanese Cultural Exchange Fellowship. Ministries of Agriculture and Education
2001 Fellow. American Phytopathological Society
2005 B. Y. Morrison Medal (Medal presented at ASHS Annual Meeting by USDA-ARS for contributions to Agriculture)
2006 – 2010 Presidential Lineage American Phytopathological Society (President 08-09) APS is a scientific society with ca. 5000 members, 35% are international.
2007 Alex Laurie Award Presented by SAF, for research and teaching related to the national and international floral crops industry.
2009 Certificate of Appreciation USDA/APHIS – CPHST
2012 Outstanding Alumnus, College of Agricultural Sciences, Penn State University

Patents:

- U. S. Patent application No. 09/912,072 to be issued Jan/Feb 2010. *Identification of Poinsettia Cultivars*. The patent describes a method using specific fragments and their sequences identified by extensive RFLP analysis that allows the development of a database of poinsettia cultivar-specific fingerprints that can be used to demonstrate novelty of new cultivars, enforce licensing agreements and to reduce the time needed to develop novel new cultivars.

Advisory Panels and Reviews (2000 – Present):

- USDA-NRI Panel Member-Plant Microbial Interactions, 2000, 2002, 2011
- USDA-NRI Panel **Manager**-Plant Microbe Associations, 2003
- Review Team Member-USDA-Ornamentals and Nursery Crop Section, 2000
- Research Advisory Committee; American Floral Endowment/SAF, 1996-2003
- USDA Program Review-Molecular Plant Pathology, 2004
- USDA Program Review-Plant Introduction and Quarantine (ARS-APHIS), 2004
- Dept of Plant Pathology, Iowa State University Departmental Review **Chair** of Review Team, 2005
- Department of Plant Pathology, University of Minnesota Comprehensive Review Panel 2007
- Departments of Plant Pathology, Cornell University, CSREES Review Team, **Chair** 2008
- USDA-NIFA Grants Panel (Plant Microbe Associations) 2011

Refereed Journal Articles (2005 – Present): Total >90:

M. Tsompana, J. Abad, M. Purugganan and J. W. Moyer. 2005 The molecular population genetics of the Tomato spotted wilt virus (TSWV) genome. *Molecular Ecology* 14:53-66.

Abad, J.A., J.W. Moyer, G.G. Kennedy and M.A. Cubeta. 2005. An epidemic of tomato spotted wilt virus on potato in eastern North Carolina. *Amer. J. Potato Res.* 82:255-261

*Sin, Sang-Hoon, McNulty, B. C., Kennedy, G. G. and Moyer, J. W. 2005. Viral genetic determinants for thrips transmission of Tomato spotted wilt virus. *Proc Nat Acad Sci*: 102: 5168-5173.

**This paper selected for commentary article.* Thrips and tospoviruses come of age: Mapping determinants of insect transmission. Diane E. Ullman, Anna E. Whitfield, and Thomas L. German. *Proc Natl Acad Sci U S A.* 2005 April 5; 102(14): 4931–4932.

Parks EJ, Moyer JW, Lyerly JH. 2006. Identification of fluorescent AFLP and SSR markers for differentiation and analysis of New Guinea impatiens. *J AMER SOC HORT SCIENCE* 131 (5): 622-631.

J. A. Abad, E. J. Parks, S. L. New, S. Fuentes, W. Jester, and J. W. Moyer. 2007. First Report of *Sweet potato chlorotic stunt virus*, a Component of Sweetpotato Virus Disease, in North Carolina Plant Disease 91:327.

Sullivan, MJ, Parks, EJ, Cubeta, MA, Gallup, CA, Melton, TA, Moyer, JW. Shew, HD 2010. An

assessment of the genetic diversity in a field population of *Phytophthora nicotianae* with a changing race structure. Plant Disease 36:455-460.

Kaye, AC, Moyer, JW, Parks, EJ, Carbone, I, Cubeta, MA. 2011 Population genetic analysis of tomato spotted wilt virus on peanut in North Carolina and Virginia. Phytopathology 101:147-153.

Mwanga, R. O . M., Yencho, G. C., Gibson, R. W., Moyer, J. W. 2012. Methodology for inoculating sweetpotato virus disease: discovery of tip dieback, and plant recovery and reversion in different clones. Plant Disease In Press