

**Dr. Merrilee Anderson**  
*SENCER Leadership Fellow*  
Biosketch

Dr. Merrilee Anderson is chair of the Science and Mathematics Department at Mount Aloysius College. She received her PhD in Plant Pathology from the Pennsylvania State University where her research focused on fungal pathogens of cultivated mushrooms. Her interest in Abandoned Mine Drainage in the local community surrounding Mount Aloysius is focused on the identification of microbes that can tolerate the extreme conditions and the potential for bioremediation on site. Her use of SENCER includes mentoring undergraduate research projects, promoting civic engagement using unique course assignments, and developing a SENCER course on Abandoned Mine Drainage.

# MERRILEE G. ANDERSON

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Mount Aloysius College, Cresson, PA 16630

814-886-6501  
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## EDUCATION

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2002	<b>Ph.D., Plant Pathology</b>	The Pennsylvania State University
1996	<b>M.S., Plant Pathology</b>	Clemson University
1994	<b>B.A., Biology</b>	Washington and Jefferson College

## TEACHING EXPERIENCE

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2000-current	Mount Aloysius College, Cresson, PA	Science and Math Dept
August 2005	Appointed Chair of Science and Mathematics Department	
	<b>Associate Professor</b>	
	<ul style="list-style-type: none"><li>■ Instruct undergraduates in recitation and laboratory exercises in Microbiology, Anatomy and Physiology, Integrated Science, and Human Biology.</li><li>■ Develop written and oral assignments for grade evaluations.</li></ul>	
1999	Juniata College	Huntingdon, PA
	<b>Instructor</b>	
	<ul style="list-style-type: none"><li>■ Taught Microbiology and Immunology to undergraduates.</li><li>■ Invited speaker for Tri-Beta Induction ceremony.</li></ul>	
1998-1999	The Pennsylvania State University	State College, PA
	<b>Graduate Teaching Assistant</b>	
	<ul style="list-style-type: none"><li>■ Taught Introductory Biology laboratory to undergraduates.</li><li>■ Assisted lecture professor in grading lecture assignments.</li></ul>	
1995	Clemson University	Clemson, SC
	<b>Graduate Teaching Assistant</b>	
	<ul style="list-style-type: none"><li>■ Taught Introductory Plant Pathology laboratory to undergraduates.</li></ul>	

## RESEARCH EXPERIENCE

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1996-2002	The Pennsylvania State University	State College, PA
	<b>Graduate Research Assistant</b>	
	<ul style="list-style-type: none"><li>■ Researched mode of pathogenicity of <i>Trichoderma harzianum</i> as the causal agent of green mold in commercial <i>Agaricus</i> mushroom production.</li></ul>	
1994-1996	Clemson University	Clemson, SC
	<b>Graduate Research Assistant</b>	
	<ul style="list-style-type: none"><li>■ Researched <i>Pythium</i> species in commercial greenhouse hydroponics.</li></ul>	

## COMMITTEES AND ACTIVITIES AT MOUNT ALOYSIUS

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- 2007-8 Strategic Planning Committee and sub-committee on Academic Program Development
- 2007 Search committees for hiring Academic Services Chair, Residence Life Director, Science
- 2007-current Biotechnology Advisory Committees, Penn Highlands Comm. College /GJ VoTech
- 2005-current Academic Council, Representative of the Dept. of Science and Math
- 2005-current Undergraduate Research Committee, promote research activities by students
- 2005-2006 MS Thesis Committee, Erika Jugan, Psychology Student
- 2005 Search committees for hiring Academic Services secretary and Chemistry/Physics faculty
- 2004-current Faculty Affairs Committee
- 2004-2006 Guest Speaker, Career Planning Course
- 2004 Chair, Search Committee for Library Services Director
- 2004 MS Thesis Committee, Tammy Lundgren, Psychology Student
- 2003-2004 Middle States Accreditation, Committee on Standards 8 and 9
- 2003-current Retention Advisory Committee
- 2003-current Judicial Board Member
- 2002-2004 Surgical Technology Advisory Board, Faculty Representative
- 2003-2004 Committee for Syllabus Review, ASPS Division
- 2003-2004 Committee on Academic Standing, elected by peers
- 2003-2005 Technology Training Sessions, Groupwise, Portal, and Blackboard Training Sessions
- 2003 Articulation Committee, Developing articulations with other Pennsylvania institutions.
- 2002-2003 Mentoring Committee
- 2001-2006 Chair (2001-03), Academic Fieldwork and Clinical Education Committee, Organize annual thank you seminar for student supervisors.

## PROFESSIONAL DEVELOPMENT

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November 2007 ABASM (Allegheny Branch American Society Microbiology) travel award to attend meeting at LaRoche College, Pittsburgh PA , **Using Local Abandoned Mine Drainage Sites to teach Undergraduate Science.** Merrilee G. Anderson. Department of Science and Mathematics, Mount Aloysius College, 16630.

November 2007 SENCER SubAward, to create linked course on Abandoned Mine Drainage

August 2007 SENCER meeting, Portland, ME

2006 Reviewer Finer, Microbiology Text Nester, Microbiology Text

2004-1005 Alden Foundation Grant, \$50,000 award to department, assisted Yvonne Devineni

May 2004 American Society of Microbiology, \$500 Travel Award, New Orleans, LA

June 2005 Council Independent Colleges (Meeting for Dept Chairs), Pittsburgh, PA

August 2005 SENCER, (Science Education New Civic Engagements and Responsibilities) San Jose, CA

## PROFESSIONAL AFFILIATIONS

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2001-current American Society of Microbiology

2003-current Western Pennsylvania Mushroom Club

1995-2001 American Phytopathological Society

1998-2000 Graduate Women in Science, PSU Chapter

1997-2000 Commission For Women, PSU Chapter

## PUBLICATIONS

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Anderson, M.G. D.M. Beyer, and P.J. Wuest. 2001. Yield comparison of hybrid *Agaricus* mushroom strains as a measure of resistance to *Trichoderma* green mold. *Plant Disease*. 85(6):731-734.

Anderson, M.G. D.M. Beyer, and P.J. Wuest. 1998. Susceptibility of various *Agaricus bisporus* hybrid strains to *Trichoderma* green mold. *Mushroom News*. 46(11)22-25.

Anderson, M.G., B.A. Fortnum, and S.B. Martin. 1997. First report of *Pythium myriotylum* in a tobacco seedling float system in South Carolina. *Plant Disease*. 81(2) 227.