

**Joint Meeting of ERCERIM and
the Potomac Division of APS
Ft. McGruder Radisson, Williamsburg, VA, March 4-6, 2002**

Sunday, March 3

Registration 6:00 – 8:00 P.M.

Monday March 4, ERCERIM Symposia

7:00 – 8:00 A.M. Continental Breakfast (included in registration)

7:00 – 8:00 A.M. Registration

8:00 AM – Welcome – Fred Shokes

Symposium 1 – *Sclerotinia*: Biology and Epidemiology in Field Crops

Chair: Pat Phipps

8:10 AM – Introduction of Speakers

8:15 – Genotyping of *S. sclerotiorum* and *S. minor*: What collaborative regional surveys with coordinated molecular markers can tell us. **Linda M. Kohn**. Univ. of Toronto, Erindale College - Botany Dept., Mississauga, ON, Canada.

8:35 – Host genotype, plant tissue, and isolate effects on infection of peanut by *Sclerotinia minor*. **Barbara B. Shew, J.E. Hollowell**, and **D.L. Smith**. Dept. of Plant Pathology, North Carolina State Univ., Raleigh, NC.

8:55 – Resistance to *Sclerotinia minor*: The peanut story. **Hassan A. Melouk**. USDA-ARS, Oklahoma State Univ., Stillwater, OK.

9:15 – Development and delivery of *Sclerotinia* blight advisories for peanut. **Patrick M. Phipps**. Virginia Tech, Tidewater Agric. Res. and Ext. Ctr., Suffolk, VA.

9:35 – Forecasting soybean white mold: The importance of light, moisture, temperature and other ecological factors. **Xiao-Bing Yang**. Iowa State Univ., Plant Pathology Dept., Ames, IA.

9:55 – 10:15 A.M. – **Break**

Symposium 2 – Disease Management (Cultural, Biological, Chemical, Molecular)

Chair: Chuck Johnson

10:15 AM – Introduction of Speakers

10:20 – Development and evaluation of weather-based spray advisories for southern stem rot of peanuts. **S. L. Rideout, T. B. Brenneman**, and **A. K. Culbreath**. Univ. of Georgia, Coastal Plain Exp.Stn., Dept. of Plant Pathology, Tifton, GA.

10:40 – Plant growth-promoting rhizobacteria as inducers of systemic resistance against multiple plant pathogens. **N. Martinez-Ochoa**. Univ. of Georgia, Coastal Plain Exp. Stn., Dept. of Plant Pathology, Tifton, GA.

11:00 – Biocontrol potential of the fungi *Hirsutella rhossiliensis* and *H. minnesotensis* against *Heterodera glycines*. **S. Chen**. Univ. of Minnesota, So. Exp. Stn. & Outreach Ctr., Waseca, MN.

11:20 – Managing the Wheat Crown Rot Complex (*Fusarium* and *Bipolaris* spp.) in the Pacific Northwest. **R.W. Smiley**. Oregon State Univ., Columbia Basin Agric. Res. Ctr., Pendleton, OR.

11:40 – Development of biological seed treatments for control of soilborne pathogens of vegetables and wheat. **D.P. Roberts¹, E.L. Stromberg², G.H. Lacy²** and **J.S. Buyer¹**. ¹USDA-ARS, Beltsville, MD and ²Virginia Tech, Blacksburg, VA

12:00 – 1:00 P.M. – **Lunch** (included in registration)

Symposium 3 – Conventional vs. Organic Agriculture (Microbial Communities, Biological Control, etc.)

Chair: Richard Baird

- 1:10 PM – Introduction of Speakers
- 1:15 – Characterization of bacterial communities at the Center for Environmental Farming Systems in North Carolina. **Frank Louws**. North Carolina State Univ., Plant Pathology Dept., Raleigh, NC.
- 1:35 – Effects of synthetic and organic fertility amendments on the incidence of Southern Blight and soil microbial and nematode communities in organic and conventional production systems. **Jean B. Ristaino**. North Carolina State Univ., Plant Pathology Dept., Raleigh, NC.
- 1:55 – Root diseases in vegetables with conservation vs conventional tillage systems. **Don Sumner**. Univ. of Georgia (Ret.), Coastal Plain Exp. Stn., Dept. of Plant Pathology, Tifton, GA.
- 2:15 – Nematode community structure analysis for assessment of soil quality in conventional and organic farming systems. **George W. Bird** and **Michael F. Berney**. Michigan State Univ., Entomology Dept., East Lansing.
- 1:35 – Disease suppressive potting mixes. **D. Michael Benson**. North Carolina State Univ., Plant Pathology Dept., Raleigh, NC.
- 3:00–3:20 P.M. – **Break**

Symposium 4 – New Techniques for Identification of Soil Microbes

Chair: Don Huber

- 3:20 PM – Introduction of Speakers
- 3:25 – Laser enhanced aminopeptidase profiling for rapid identification of microorganisms. **Don Huber**. Purdue Univ., Botany & Plant Pathology Dept., West Lafayette, IN.
- 3:45 – PCR-SSCP for rapid identification of plant pathogens. **Chuan Hong** and **Ping Kong**. Virginia Tech, Hampton Roads Agric. Res. and Ext. Ctr., Virginia Beach, VA.

- 4:05 – AFLP as a tool for identification and characterization of *Pythium* species. **Carla Garzon** and **Gary Moorman**. Dept. of Plant Pathology, Pennsylvania State Univ., University Park, PA.
- 4:25 – The potential use of fatty acid methyl ester (FAME) analysis for identifying species of *Phytophthora* from ornamental crops. **S. N. Jeffers** and **C. H. Duan**. Clemson Univ., Plant Pathology Dept., Clemson, SC.
- 4:45 – Use of Fatty Acid Methyl Ester (FAME) for comparison of Rhizoctonia isolates of the anastomosis groups AG-7 and AG-4. **Richard Baird**¹ and **Ron Gitaitas**². ¹Miss. State Univ., Starkville, MS., ²Univ. of Georgia, Coastal Plain Exp. Stn., Dept. of Plant Pathology, Tifton, GA.

5:05 – Discussion and ERCERIM Business Meeting

6:00 PM Reception

Tuesday, March 5, Joint Sessions of ERCERIM and the Potomac Division

- 7:30 – 8:30 A.M. Continental Breakfast (included in registration)
- 8:00–8:30 – Registration
- 8:30 – **Keynote Address: Marc Cubeta**. Recent advances in understanding the population dynamics of the hidden enemy, *Rhizoctonia solani*. Dept. of Plant Pathology, North Carolina State Univ., Plymouth, NC.

Contributed Papers, S. A. Alexander presiding

- 9:30 – Root lesion nematodes in non-irrigated field crops in the Pacific Northwest. **R.W. Smiley**. Oregon State Univ., Columbia Basin Agric. Res. Ctr., Pendleton, OR.
- 9:45 – Evaluation of selected fungicides for control of anthracnose on bell pepper. **Josh Marvel** and **Sam Alexander**. Virginia Tech, Eastern Shore AREC, Painter, VA.
- 10:00 – 10:20 A.M. **Break**

- 10:20 – Pythium species isolated from within greenhouses: diversity and pathogenicity. **N. SHISHKOFF, J. Knoedler** and **M. Daughtrey**. Cornell Univ., LIHREC, Riverhead, NY.
- 10:35 – Detection of Tomato yellow leaf curl virus (TYLCV) and Tomato yellow leaf curl Sardinia virus (TYLCSV) with a general probe and species specific probes in tomato samples from Agadir, Morocco. **M. Sedegui¹, M.K. Nakhla², T.A. EVANS³, and D.P. Maxwell²**. ¹Ministry of Agriculture, BP 1308, Rabat, Morocco; ²University of Wisconsin-Madison 53706; ³University of Delaware, Newark, DE 19717.
- 10:50 – The use of GUS and GFP to investigate the interaction of a pathogenic and a non-pathogenic strain of *Fusarium oxysporum* on tomato roots. **J.C. Rupe¹, C. Olivain², C. Humbert³, and C. Alabouvette²**. ¹Univ. of Arkansas, Fayetteville, AR, ²UMR BBCE-IPM CMSE INRA Dijon, France, ³Centre commun de Microscopie de L'Universite de Bourgogne, Dijon, France.
- 11:05 – Effects of preplant metam sodium and azoxystrobin applied in furrow on *Cylindrocladium* black rot of peanut in Georgia. **T.B. Brenneman, R.C. Kemerait, Jr., and S.L. Rideout**. Dept. of Plant Pathology, Univ. of Georgia.
- 11:20 – Glyphosate-resistance gene: Effects on nutrient uptake and disease response. **Don Huber**. Purdue Univ., Botany & Plant Pathology Dept., West Lafayette, IN.
- 11:35 – Manganese oxidation: A virulence factor for soilborne fungi and target for biological control. **Don Huber**. Purdue Univ., Botany & Plant Pathology Dept., West Lafayette, IN.
- 12:00 – 1:00 PM: Lunch** (included in registration) immediately followed by **Potomac Division Business Meeting (12:45)**
- 1:30 – 3:30: Behind the Scenes Tour of Colonial Williamsburg**
- 3:30 – Extension/Industry Update.** E.L. Stromberg and A.P. Grybauskas presiding.
- 5:00 – Poster session**
- Simple, rapid upstream PCR template DNA preparations of pythiaceous species from mycelia, zoospore suspension and irrigation water samples. **PING KONG** and **Chuanxue Hong**. Virginia Tech, Hampton Roads AREC, Virginia Beach, VA.
 - Efficacy of ultraviolet irradiance for disinfesting recycled irrigation water. **DAVID COHN** and **Chuanxue Hong**. Virginia Tech, Hampton Roads AREC, Virginia Beach, VA.
 - Potential of common weed species to harbor *Phytophthora nicotianace* in nursery production. **PATRICIA A. RICHARDSON, Jeffrey F. Derr, and Chuanxue Hong**. Virginia Tech, Hampton Roads AREC, Virginia Beach, VA.
 - Corn grown in poultry litter amended soil and the possible link to feed contamination. **O. THOMAS, E. Philip, M. Morant, and C. Brooks**. Univ. of Maryland Eastern Shore, Princess Anne, MD.
 - Preliminary comparison of *Colletotrichum gloeosporioides* from Hungary and *C. dematium* from the United States. **C. CAVIN** and **W.L. Bruckart, III**, USDA-ARS-FDWSRU, Frederick, MD
 - *Puccinia lagenophorae* for biological control of common groundsel in the United States: Potential and concerns. **W.L. BRUCKART, III** and **A. Senesac**. USDA-ARS-FDWSRU, Ft. Detrick, MD, and Cornell Univ., Long Island Horticultural Res. Lab., Riverhead, NY.
 - Recent spread of rose rosette disease in the southeastern United States. **A.R. Peck¹, A. Baudoin², M.A. Hansen², and J.W. Amrine, Jr.³**. ¹Rt. 2 Box 198E, Blaine, TN 37709; ²Virginia Tech, Blacksburg, VA; ³Division of Plant & Soil Science, West Virginia Univ., Morgantown, WV.

- Ribosomal RNA interoperon sequence heterogeneity in new phytoplasma lineages infecting oak, campion, thistle, and dandelion. **R. JOMANTIENE, R.E. Davis, A. Alminaitė, J. Staniulis, and D. Valinunas.** Institute of Botany, 2021 Vilnius, Lithuania; and Molecular Plant Pathology Laboratory, USDA-Agricultural Research Service, Beltsville, MD; Institute of Botany, 2021 Vilnius, Lithuania.
- QTL mapping of partial resistance in wheat to *Stagonospora nodorum* blotch. **P.C. CZEMBOR¹, E. Arseniuk¹, P. Ueng².** ¹Dept. of Plant Pathology, Plant Breeding & Acclimatization Institute, Radzikow, Poland. ²US Dept. of Agriculture, ARS, Beltsville, MD, USA.

5:30 – Pre-banquet social, with poster session continuing

6:30 – 8:30 PM: Joint Dinner

Posters should be taken down after the banquet

Wednesday, March 6

7:30-8:15 – Beverage service (coffee, juice)

8:15 – 10:15 AM – Potomac Division: Invited Papers: Updates in Plant Pathology.
A. Baudoin presiding.

8:15 – Plant activators: trials & tribulations. **Allison Tally.** Syngenta Corp, Greensboro, NC.

8:45 – Recent developments in QoI (strobilurin) fungicide resistance. **Gilberto Olaya.** Syngenta Corp, Vero Beach, FL.

9:15 – Plum pox 2002. **Vernon Damsteegt.** FDWSRU, USDA-ARS, Frederick, MD.

9:45 – Reinstating *Xanthomonas* pathovars as species. **G.H. Lacy, N.W. Schaad, E. Postnikova, and V.K. Stromberg.** Virginia Tech, Blacksburg, VA and FDWSRU, USDA-ARS, Frederick, MD.

10:15-10:30 - Break

Contributed Papers

10:30 – "A Tree Grows In Virginia." **R. Jay Stipes.** Virginia Tech, Blacksburg.

10:45 – Control of Phytophthora blight on annual vinca with phosphite foliar sprays. **THOMAS J. BANKO and Chuanxue Hong.** Hampton Roads Research Center, Virginia Tech, Virginia Beach, VA.

11:00 – Update on the new trifloxystrobin and tebuconazol registrations in the United States. **W.D. SCOTT and M.J. MAHONEY.** Bayer Corporation Agriculture Division, Kansas City, MO.

11:15 – **Adjourn.**

Program Committee

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Pat Phipps
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David L. Clement
James Kotcon
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