

Curriculum Vitae

XIAOAN SUN, Ph.D.
Plant Pathologist
Florida Department of Agriculture & Consumer Services
Division of Plant Industry
1911 SW 34th Street
Gainesville, FL 32608
sunx@doacs.state.fl.us

Education

- 1996-Ph.D. in Plant Pathology, Louisiana State University, Baton Rouge, LA 70803. Dissertation Title: Biological control of pythiaceous fungi causing death of longleaf pine seedlings in cold storage.
- 1988-M.S. in Mycology and Plant Pathology, Zhejiang Agricultural University, Hangzhou, Zhejiang, P. R. of China. Thesis Title: Classification of *Pestalotia* spp. in southeast of China and taxonomic study of the genus.
- 1982-B.S. (Plant Protection), Fujian Agricultural University, Fuzhou, Fujian, P. R. of China. Thesis Title: A preliminary study on the technique of raising bean aphids in greenhouse.

Professional Training

- Diagnosis of plant pathogenic bacterium using Real-Time PCR.
- Microsoft Power Point, excel and access; SAS.
- Basic, mediate, and advanced MapInfo and ArcGIS applications.
- Identification of *Pythium* and *Phytophthora* species
- Florida Department of Agriculture Supervisory Standards.
- Diagnosis of honeybee diseases.
- Public Manager Certification from Florida State University.

Employment

- April 1999-Present: Division of Plant Industry (DPI), Florida Department of Agriculture and Consumer Services (FDOAC), Plant Pathologist.
- July 1996-March 1999: Citrus Canker Eradication Program, Florida Department of Agriculture and Consumer Services, Chief Plant Pathologist.
- May 1996-June 1996: Department of Plant Pathology and Crop Physiology, Louisiana State

University, Postdoctoral Research Associate.

- August 1991-May 1996: Department of Plant Pathology and Crop Physiology, Louisiana State University, Research Assistant.
- September 1988-July 1991: Institute of Plant Protection, Fujian Academy of Agricultural Sciences, Plant Pathologist and Project leader.
- September 1985-August 1988: Department of Plant Protection, Zhejiang Agricultural University, Research Assistant
- January 1982-August 1985: Institute of Plant Protection, Fujian Academy of Agricultural Sciences, Research Associate
- January 1978-December 1982: Department of Plant Protection, Fujian Agricultural University, Research Assistant

Professional Accomplishments

- 2007: Outstanding Service Award. Florida Department of Agriculture.
- 2005: Florida State Record Award for Establishing the First US Record of *Candidatus Liberibacter asiaticus*. Florida Department of Agriculture.
- 2003: Citation of Special Recognition of Excellence in effectively managing the increase in Citrus Canker Diagnostics from Commissioner, Charles Bronson, Florida Department of Agriculture and Consumer Services-Division of Plant Industry
- 2002: Gratitude for service to the People of central America and the Caribbean, Trinidad and Tobago from Governor, Jeb Bush, Florida State-The Florida Association of Voluntary Agencies For Caribbean Action, Inc.
- 2001: Citation of Special Recognition of exceptional efforts to perfect citrus canker diagnosis techniques.
- 2000: Certificate of Appreciation of special contributions to the successful completion of the epidemiological study of citrus canker in urban Miami, 1998-1999 from Director, Richard Gaskalla, Plant Industry, Florida Department of Agriculture and Consumer Services.
- 1999-2002: Member of Citrus Canker Risk Assessment Group (FDOAC)
- 2000-Present: Member of Exotic Pests of Citrus Technical Advisory Task Force (FDOAC)
- 1992-Present: Member of American Phytopathological Society
- 1993-1994: President, Graduate Student Association, Department of Plant Pathology and Crop Physiology, Louisiana State University
- 1985-1988: Vice-president, Graduate Student Association of the Zhejiang Agricultural University
- 1982-1985; 1988-1991: Secretary, Fujian Phytopathological Society

Major Publications

- Y. P. Duan, X. Sun, L. J. Zhou, D. W. Gabriel, L. S. Benyon, Tim Gottwald. 2009. Bacterial Brown Leaf Spot of Citrus, a New Disease Caused by *Burkholderia andropogonis*. Plant Dis.,93: 607-614
- Xiaolan Sun, Robert E. Stall, Jaime Cubero, Tim R. Gottwald, James. H. Graham, Wayne N. Dixon, Tim S. Schubert, Paul H. Chaloux, Jeffrey B. Jones, Bruce D. Sutton. Detection and Characterization of a New Strain of Citrus Canker Bacteria from Key/Mexican Lime (*Citrus aurantiifolia*) and Alemow (*C. macrophylla*) in Florida. Plant Dis.88:1179-1188

- Xiaoan Sun, Misty C. Nielsen and John W. Miller. 2002. Bacterial spot of tomato and pepper. Plant Pathology Circular No. 337. Florida Department of Agriculture and Consumer Services, Division of Plant Industry. Gainesville, Florida. 4 pages.
- Tim R. Gottwald, Xiaoan Sun, Tim Riley, James H. Graham, Frank Ferrandino, and Earl L. Taylor. 2002. GPS Based, Spatio-temporal analysis of the urban citrus canker epidemic in Florida. *Phytopathology* 92:30-34
- Tim Gottwald, Gareth Hughes, James Graham, Xiaoan Sun and Tim Riley 2001. The citrus canker epidemic in Florida: The scientific basis of regulatory eradication policy for an invasive species. *Phytopathology* 91: 30-34
- Tim S. Schubert, Shabbir A. Rizvi, Xiaoan Sun, Tim R. Gottwald, James H. Graham and Wayne N. Dixon. 2001. Meeting the Challenge of Eradicating Citrus Canker in Florida - Again. *Plant Disease* 85: 340-356.
- Sun, Xiaoan and Qixin Ge. 1990. *Ten new combinations of the genus Pestalotiopsis*. *Acta Agriculturae Universitatis Zhejiangensis* 16:141-150
- Sun, Xiaoan and P. Zhu. 1990. *Notes on Pestalotiopsis from Southern China*. *Acta Agriculturae Universitatis Zhejiangensis* 16:155-162
- Sun, Xiaoan, Q. Ge and H. Lin. 1990. *Studies on the criteria of morphological characteristics for species classification of Pestalotiopsis: A brief review of nomenclature for the genus Pestalotiopsis and observations on conidia of Pestalotiopsis spp. by the screening electronic microscope*. *Acta Agriculturae Universitatis Zhejiangensis* 16:168-172
- Sun, Xiaoan. 1984. *Review of studies on plant diseases caused by soil borne pathogens in India*. South and Southeast Asia. 1985 (1)
- Gan, Daiyiao and Xiaoan Sun. 1984. *Studies on rice blast in 1983 in Fujian province*. Fujian Agricultural Science and Technology. 1982 (6)
- Sun, Xiaoan and Daiyiao Gan. 1983. *The distribution of races of Pyricularia oryzae in Fujian province in 1982*. Fujian Agricultural Science and Technology. 1983 (2)
- Sun, Xiaoan. 1982. *Linkage analysis of four rice resistant genes against rice blast*. Fujian Agricultural Science and Technology. 1982 (6)
- Gan, Daiyiao and Xiaoan Sun. 1982. *Field evaluation of rice resistant varieties against rice blast in Fujian*. Fujian Agricultural Science and Technology. 1982 (6)
- Gan, Daiyiao and Xiaoan Sun. 1982. *Survey of the epidemic of rice blast in Fujian province in 1981*. Fujian Agricultural Science and Technology. 1982 (1)

Professional Experience

- Diagnosis of bacterial and fungal plant diseases, especially of citrus canker and other related bacterial citrus diseases via host specificity, population dynamics, phenotypic techniques, PCR-based DNA identification, ELISA, fatty acid analysis, and BIOLOG.
- Management of laboratory and greenhouse. Recruiting, training and supervision of 16-35 field citrus canker diagnosticians. Establishment of teamwork to accomplish collaborative projects.
- Regulatory aspect of exotic bacterial plant diseases in terms of pest risk analysis.
- Epidemiology of citrus canker in terms of data collection and disease spread pattern analysis through mapping.
- Fungal pathogen identification, biology and taxonomy.
- Research in biological control of bacterial and fungal diseases.
- Screen and evaluate disease resistance.
- Experimental design, data collection and data analysis.