

PUBLICATIONS

Peer-Reviewed Journal Articles

- Sanogo, S.**, and Zhang, J. 2016. Resistance sources, resistance screening techniques and disease management for Fusarium wilt in cotton. *Euphytica* 207: 255-271.
- Lujan, P.A., **Sanogo, S.**, Puppala, N. and Randall, J., 2016. Factors affecting mycelium pigmentation and pathogenicity of *Sclerotinia sclerotiorum* on Valencia peanut. *Canadian Journal of Plant Science* 96: 461-473.
- Stamler, R.A., **Sanogo, S.**, Goldberg, N.P., and Randall, J.J., 2016. Identification of *Phytophthora* species in rivers and streams of the Southwestern United States. *Applied and Environmental Microbiology*, pp.AEM-01162.
- Sanogo, S.**, Lujan, P., and Baucom, D. 2015. First report of *Sclerotinia sclerotiorum* on cabbage in New Mexico. *Plant Dis.* <http://dx.doi.org/10.1094/PDIS-12-14-1328-PDN>
- Alhawatema, M. S., **Sanogo, S.**, Baucom, D. L., and Creamer, R. 2015. A search for the phylogenetic relationship of the Ascomycete *Rhizoctonia leguminicola* using genetic analysis. *Mycopathologia* 179:381-389.
- Jiang, L., **Sanogo, S.**, and Bosland, P. W. 2015. Using recombinant inbred lines to monitor changes in the race structure of *Phytophthora capsici* in chile pepper in New Mexico. *Plant Health Progress* doi:10.1094/PHP-RS-15-0034.
- Stamler, R. A., Holguin, O., Dungan, B., Schaub, T., **Sanogo, S.**, Goldberg, N., and Randall, J. J. 2015. BABA and *Phytophthora nicotianae* induce resistance to *Phytophthora capsici* in chile pepper (*Capsicum annuum*). *PloS one*, 10(5), e0128327-e0128327.
- Zhang, J., **Sanogo, S.**, Ma, Z., and Qu, Y. 2015. Breeding, genetics, and quantitative trait locus mapping for Fusarium wilt resistance in cotton. *Crop Sci* doi:10.2135/cropsci2015.01.0056
- Zhang, J., Yu, J., Pei, W., Li, X., Said, J., Song, M., and **Sanogo, S.** 2015. Genetic analysis of Verticillium wilt resistance in a backcross inbred line population and a meta-analysis of quantitative trait loci for disease resistance in cotton. *BMC genomics* 16: 577.
- Chavez-Dozal, A., Morales-Morales, H., **Sanogo, S.**, Segovia-Lerma, A., and Smith, G. B. 2014. Antibacterial activity of mexican oregano essential oil (*Lippia berlandieri*) against the phytopathogenic bacterium *Xanthomonas euvesicatoria*. *Technociencia Chihuahua* 8:109-121.
- Fang, H., Zhou, H., **Sanogo, S.**, Lipka, A. E., Fang, D. D., Percy, R. G., Hughs, S. E., Jones, D. C., Gore, M. A., Zhang, J. 2014. Quantitative trait loci mapping for Verticillium wilt resistance in an introgressed recombinant inbred line population of Upland cotton. *Molecular Breeding*, 33, 709-720. <https://www.crops.org/publications/cs>.
- Zhou, H., Fang, H., **Sanogo, S.**, Hughs, S. E., Jones, D. C., Zhang, J. 2014. Evaluation of Verticillium wilt resistance in commercial cultivars and advanced breeding lines of cotton. *Euphytica*, 196:437-448.
- Zhang, J., Fang, H., Zhou, H., **Sanogo, S.**, and Ma, Z. 2014. Genetics, breeding, and marker assisted selection for Verticillium wilt resistance in cotton. *Crop Sci*.doi:10.2135/cropsci2013.08.0550.
- Sanogo, S.**, and Ji, P. 2013. Water management in relation to control of *Phytophthora capsici* in vegetable crops. *Agricultural Water Management* 129:113-119.
- Sanogo, S.**, Schroeder, J., Thomas, S., Murray, L., Schmidt, N., Beacham, J., Fiore, C., and Liess, L. 2013. Weed species not impaired by *Verticillium dahliae* and *Meloidogyne incognita*

- interactions that damage chile pepper. Online. Plant Health Progress doi:10.1094/PHP-2013-0920-01-RS.
- Al-Hammouri, A., Lindeman, W., **Sanogo, S.**, Thomas, S., and Steiner, S. 2013. Interaction between *Rhizoctonia solani* and *Meloidogyne incognita* on chile pepper in soil infested simultaneously with both plant pathogens. Canadian Journal of Plant Science 93: 67-69.
- Fang, H., Zhou, H., **Sanogo, S.**, Flynn, R., Percy, R. G., Hughs, S. E., Ulloa, M., Jones, D.C., and Zhang, J. 2013. Quantitative trait locus mapping for Verticillium wilt resistance in a backcross inbred line population of cotton (*Gossypium hirsutum* 3 *Gossypium barbadense*) based on RGA-AFLP analysis. Euphytica (Online, June 2013)
- Alberto, R. T., and **Sanogo, S.** 2012. Reducing phytophthora fruit rot in eggplant and tomato fruits using rice straw and swine manure. Plant Pathology & Quarantine. Doi 10.5943/ppq/2/2/8.
- Sanogo, S.**, and Ji, P. 2012. Integrated management of *Phytophthora capsici* on solanaceous and cucurbitaceous crops: current status, gaps in knowledge, and research needs. Canadian Journal of Plant Pathology 34: 479–492.
- Sanogo, S.**, and Puppala, N. 2012. Microorganisms associated with Valencia Peanut affected by pod rot in New Mexico. Peanut Science 39:95-104.
- Sanogo, S.**, Etarock, B.F. and Clary, M., 2011. First report of bacterial wilt caused by *Erwinia tracheiphila* on pumpkin and watermelon in New Mexico. Plant Disease 95:1583-1583.
- Kottapalli, P., Upadhyaya, H., Kottapalli, R. K., Payton, P., Dwivedi, S., Burrow, M., David, K. O., **Sanogo, S.**, and Puppala, N. 2011. Population Structure and Diversity in Valencia Peanut Germplasm Collection. Crop Science 51:1089-1100.
- Zhang, J., **Sanogo, S.**, Flynn, R., Baral, J.B., Bajaj, S., Hughs, S.E. and Percy, R.G., 2012. Germplasm evaluation and transfer of Verticillium wilt resistance from Pima (*Gossypium barbadense*) to Upland cotton (*G. hirsutum*). Euphytica 187:147-160.
- Sanogo, S.**, Etarock, B. F., Angadi, S., and Lauriault L. M. 2010. Head rot of sunflower caused by *Rhizopus oryzae* in New Mexico. Plant Dis. 94: 638.
- Sanogo, S.**, and Etarock, F. B. 2009. First Report of *Phomopsis longicolla* causing stem blight of Valencia peanut in New Mexico. Plant Dis.93:965.
- Sanogo, S.**, Etarock, F. B., and Clary, M. 2009. Recovery of *Verticillium dahliae* from tall morningglory (*Ipomoea purpurea*) in New Mexico and its pathogenicity on chile pepper. Plant Dis.93:428.
- Sanogo, S.**, El-Sebai, O. I., and Sanderson, R. 2008. Severity of Verticillium wilt, plant growth, and foliar-reflectance indices of chile pepper under flooding and no-flooding conditions. HortScience 43:414-419.
- Tahboub, M. B., **Sanogo, S.**, Bosland, P. W., and L. Murray, L. 2008. Heat level in chile pepper in relation to root and fruit infection by *Phytophthora capsici*. HortScience 43:1846-1851.
- Sanogo, S.**, and Puppala, N. 2007. Characterization of a darkly-pigmented mycelial isolate of *Sclerotinia sclerotiorum* on Valencia peanut in New Mexico. Plant Disease 91:1077-1082.
- Sanogo, S.** 2007. Asexual reproduction of *Phytophthora capsici* as affected by extracts from agricultural and non-agricultural soils. Phytopathology 97:873-878.
- Sanogo, S.** 2007. Interactive effects of two soilborne pathogens, *Phytophthora capsici* and *Verticillium dahliae*, on chile pepper. Phytopathology 97:37-43.
- Sanogo, S.** 2006. Predispositional effect of soil water saturation on infection of chile pepper by

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- Sanogo, S.**, and Clary, M. 2006. Occurrence of Phytophthora blight on pumpkin in New Mexico. Plant Disease 90:1110.
- Sanogo, S.**, and Carpenter, J. 2006. Incidence of Phytophthora blight and Verticillium wilt within chile pepper fields in New Mexico. Plant Disease 90:291-296.
- Creamer, R., **Sanogo, S.**, El-Sebai, O., Carpenter, J., and Sanderson, R. 2005. Kaolin-based foliar reflectant affects physiology, incidence of beet curly top virus, but not yield of chile pepper. HortScience 40:574-576.
- Sanogo, S.** 2004. Response of chile pepper to *Phytophthora capsici* in relation to soil salinity. Plant Disease 88:205-209.
- Sanogo, S.**, and Yang, X. B. 2004. Overview of selected multivariate statistical methods and their use in phytopathological research. Phytopathology 94:1004-1006.
- Creamer, R., **Sanogo, S.**, Moya, A., Romero, J., Molina-Bravo, R., and Cramer, C. 2004. Iris yellow spot virus in New Mexico. Plant Disease 88:1049.
- Sanogo, S.** 2003. Chile pepper and the threat of wilt diseases. Plant Health Progress. Online. PHP-2003-0430-01-RV.
- Sanogo, S.**, and Clary, M. 2003. Pathogenicity on chile pepper of *Verticillium dahliae* recovered from three weed hosts in New Mexico. Plant Disease 87:450.
- Sanogo, S.**, Stevenson, R. E., and Pennypacker, S.P. 2003. Appressorium formation and tomato fruit infection by *Colletotrichum coccodes*. Plant Dis. 87:336-340.
- Sanogo, S.**, Pomella, A., Hebbar, P. K., Bailey, B., Costa, J. C. B., Lumsden, R., and Samuels, G. 2002. Production and germination of conidia of *Trichoderma stromaticum*, a mycoparasite of *Crinipellis perniciososa* on cacao. Phytopathology 92:1032-1037.
- Bowers, J. H., Bailey, B. A., Hebbar, P. K., **Sanogo, S.**, Lumsden, R. D. 2001. The impact of plant diseases on world chocolate production. Online. Plant Health Progress doi:10.1094/PHP-2001-0709-01-RV.
- Sanogo, S.**, and Yang, X. B. 2001. Field response of glyphosate-tolerant soybeans to herbicides and sudden death syndrome. Plant Disease 85:773-779.
- Sanogo, S.**, and Yang, X. B. 2001. Relation of sand content, pH, phosphorus and potassium nutrition in relation to sudden death syndrome of soybean. Canadian Journal of Plant Pathology 23:174-180.
- Yang, X.B., Uphoff, M.D., and **Sanogo, S.** 2001. Outbreaks of soybean frog-eye leaf spot in Iowa. Plant Disease 443.
- Sanogo, S.**, Yang, X. B, and Scherm, H. 2000. Effects of herbicides on *Fusarium solani* f. sp. *glycines* and the development of sudden syndrome in glyphosate-tolerant soybean. Phytopathology 90:57-66.
- X. Yang, and **S. Sanogo**. 2000. Antibioterrorism: modeling a global threat. Bioscience 50:476.
- Sanogo, S.** and Yang, X. B. 1999. Recent outbreak of soybean sudden death syndrome in Iowa. Plant Disease 83:590.
- Sanogo, S.**, and Aylor, D.E. 1997. Infection efficiency of *Venturia inaequalis* ascospores on apple as affected by flower bud developmental stage. Plant Disease 81:661-663.
- Sanogo, S.**, and Pennypacker, S.P. 1997. Factors affecting sporogenic and myceliogenic germination of sclerotia of *Colletotrichum coccodes*. Plant Disease 81:333-336.
- Sanogo, S.**, Pennypacker, S.P., and Stevenson, R., and MacNab, A. A. 1997. Weather variables associated with tomato fruit infection by *Colletotrichum coccodes*. Plant Disease. 81:753-756.

- Aylor, D.E., and **S. Sanogo**. 1997. Germinability of *Venturia inaequalis* conidia exposed to sunlight. *Phytopathology* 87:628-633.
- Pennypacker, S. P., Stevenson, R. E., and **Sanogo, S.** 1996. Evaluation of five processing tomato cultivars for early blight, late blight, and fruit rot control. *Biological and Cultural Tests* 11:73.
- Sanogo, S.**, and Moorman, G.W. 1993. Transmission and control of *Pythium aphanidermatum* in an ebb-and-flow subirrigation system. *Plant Disease* 77:287-290.

Book Chapters & Book Reviews

- Sanogo, S.**, and Bosland, P. 2013. Biology and Management of *Phytophthora capsici* in the Southwestern United States. Pages 87-95 In: *Phytophthora: A Global Perspective* (K. Lamour, ed.)
- Yang, X. B. and **Sanogo, S.** 2003. Integrated Pest Management: Disease Prediction Models. In: *Encyclopedia of Applied Plant Sciences*, Elsevier. Vol. 1: 614-616.
- Sanogo, S.** 1997. Apple scab, Biology, Epidemiology, and Management. (Book Review) *Plant Pathology* 46:155.

Experiment Station and Technical Publications

- Marsalis, M. A., Puppala, N., Goldberg, N. P., Ashigh, J., **Sanogo, S.**, Trostle, C. 2009. New Mexico Peanut Production (ed., pp. 16 pages). Las Cruces, NM: New Mexico State University. <http://aces.nmsu.edu/pubs/circulars/CR-645.pdf>.
- Sanogo, S.**, and Clary, M. 2008. Bacterial Leaf Spot of Chile Peppers: A Short Guide for Growers. New Mexico Chile Association Report 30.
- Sanogo, S.**, and Carpenter, J. 2006. Geographical Distribution and Causal Agents of Chile Pepper Wilt in New Mexico. Bulletin-789, December 2006.

Selected Abstracts/Proceedings and Popular Press Publications

- Sanogo, S.**, Lujan, P., Zhu, Y., Lytle, M., and Bailey, B. 2016. Effect of culture filtrate from four *Trichoderma* species on mycelial growth, and sporangia and zoospore production by *Phytophthora capsici*. (Annual Meeting of American Phytopathological Society (APS), La Conner, WA, June 28-30, 2016).
- Sanogo, S.**, Lujan, P., and Idowu, J. 2015. Reduction in the population of *Phytophthora capsici* and disease severity in chile pepper by extracts from pecan shell and husk tissues (Annual Meeting of American Phytopathological Society (APS), Pasadena, CA, August 1-5, 2015).
- Sanogo, S.**, Lujan, P., Rudolph, R., Uchanski, M., and Walker, S. 2015. Integration of spring-planted mustard cover crop and mustard seed meal for control of *Verticillium* wilt in chile pepper. (Annual Meeting of APS, Pasadena, CA, August 1-5, 2015).
- Sanogo, S.**, Guerrero, O., Lytle, M., Lujan, P., and Bailey, B. 2015. Activity of three species of *Trichoderma* against *Phytophthora capsici*, causal agent of *Phytophthora* blight in chile pepper. APS Pacific Division Meeting, Bozeman, Montana, July 9-11, 2014.
- Sanogo, S.**, Lytle, M., Diaz, S., and Hartman, D. 2014. Sclerotia production by *Verticillium dahliae*, as affected by selected fungal and bacterial microorganisms. APS Pacific Division Meeting, Bozeman, Montana, July 9-11, 2014.

- Sanogo, S.**, and Lytle, M. 2013. Effect of the green algae *Chlorella* on vegetative growth and production of sporangia by *Phytophthora capsici*. APS Joint Caribbean and Pacific Division Annual Meeting; Tucson, Arizona, June 17-19, 2013.
- Sanogo, S.**, and Schaub, T. 2012. Evidence of inhibitory volatiles of London rocket and flixweed against three soilborne pathogens of chile pepper. *Phytopathology* 102:S6.12.
- Alberto, T., and **Sanogo, S.** 2012. Gibberilic acid-3 mimics the symptoms of twister disease of onion. *Phytopathology* 102:S6.7.
- Sanogo, S.**, Liess, L., and Richman, R. 2011. Mycelial growth and sporangial production of *Phytophthora capsici* as affected by extracts from pecan tissues. *Phytopathology* 101:S159.
- Smythe, B., **Sanogo, S.**, Puppala, N., Thomas, s., and Steiner, R. 2011. Screening of a Valencia peanut core collection for resistance to *Sclerotinia sclerotiorum*. *Phytopathology* 101:S168.
- Sanogo, S.** 2010. *Colletotrichum capsici* and *Colletotrichum coccodes*: Predominant causal agents of anthracnose of chile pepper in New Mexico. *Phytopathology* 100:S114.
- Sanogo, S.**, and Pierce, J. 2009. Prevalence of *Phymatotrichopsis omnivora* in alfalfa fields affected by root rot in southeastern New Mexico. *Phytopathology* 99:S114.
- Sanogo, S.** 2008. Seed and soil treatment with biofungicides treatment with biofungicides and plant extracts for control of *Phytophthora* blight on chile pepper. Pages 27-28, in: 2008 Pepper Proceedings, Atlantic City, New Jersey.
- S. Sanogo.** 2007. Can you image a Chile Festival without chile? (Article published in Las Cruces SUN-NEWS, August 30, 2007).
- S. Sanogo.** 2002. Chile Festival and Chile Wilt. (Article published in Las Cruces SUN-NEWS, August 30, 2002)

YOUTUBE VIDEOS

- Air Quality: Andersen Sampler Demo <https://www.youtube.com/watch?v=SxLoqO8jL4I>
- Air Quality: Fungal Analysis <https://www.youtube.com/watch?v=PUhHRpO0RmE>
- Air Quality: Meet a Plant Pathologist <https://www.youtube.com/watch?v=vnppAHd3j-A>
- Fungi: They Feed Us, They Heal Us, They Harm US
<https://www.youtube.com/watch?v=ygmDocIrtDM>
- Mushrooms Two-faced fungi: NMSU professor teaches the good and bad about mushrooms
<https://www.youtube.com/watch?v=brHFigjW-yM>
- W³H² Approach to Plant Diagnosis <https://www.youtube.com/watch?v=UIYK9JwIV5s>
- NMSU Mushroom Cooking Project with S. Sanogo and J. Hartley
<https://www.youtube.com/watch?v=D5TSZr1kvdK>
- Descubre lo que causan los hongos / TELEMUNDO. 2017 NMSU Mushroom Cooking.
<https://www.youtube.com/watch?v=-78rdygz5n8>