

## **Genetics, Breeding and Utilization**

Murphy, John F., Jorge A. **Mosjidis**, Mickey Eubanks, Jongkit Masiri. 2008. Inter-row Cover Crops to Reduce Incidence of Aphid-borne Viruses in Pumpkin. *International Journal of Vegetable Science* 14 (4):290-303.

Moore, D. A., T. H. Terrill, B. Kouakou, S. A. Shaik, J. A. **Mosjidis**, J. E. Miller, M. Vanguru, G. Kannan, and J. M. Burke. 2008. The effects of feeding sericea lespedeza on growth rate of goats naturally infected with gastrointestinal nematodes. *J Animal Sci.* 86(9):2328-2337.

Hess, J.B., and J.A. **Mosjidis**. 2008. Effect of sunn hemp seed inclusion in broiler starter diets on live performance attributes. *Journal of Applied Animal Research* 33:105-108.

Burke, J. M., T. H. Terrill, R.R. Kallu, J. E. Miller, J.A. **Mosjidis**. 2007. Use of copper oxide wire particles to control gastrointestinal nematodes in goats. *J Animal Sci.* *J. Animal Sci.* 85:2753-2761.

**Mosjidis**, J.A. 2007. Breeding of Annual and Perennial Legumes and their Utilization as Forage and Cover Crops. *A Periodical of Scientific Research on Field and Vegetable Crops (Zbornik Radova)* 44 (II): 7-11

Terrill, T.H., J.A. **Mosjidis**, D.A. Moore, S.A. Shaik, J.E. Miller, J.M. Burke, J.P. Muir, and R. Wolfe. 2007. Effect of pelleting on efficacy of sericea lespedeza hay as a natural dewormer in goats. *Veterinary Parasitology* 146(1-2):117-122.

**Mosjidis**, J.A. 2007. Registration of 'AU Olympic' Common Vetch. *Journal of Plant Registrations* 1:34.

Lange, K.C., D.D. Olcott, J.E. Miller, J.A. **Mosjidis**, T.H. Terrill, J.M. Burke and M.T. Kearney. 2006. Effect of sericea lespedeza (*Lespedeza cuneata*) fed as hay, on natural and experimental *Haemonchus contortus* infections in lambs. *Veterinary Parasitology* 141:273-278.

Shaik, S.A., T.H. Terrill, J.E. Miller, B. Kouakou, G. Kannan, R.M. Kaplan, J.M. Burke and J.A. **Mosjidis**. 2006. Sericea lespedeza hay as a natural deworming agent against *Haemonchus contortus* infection in goats. *Veterinary Parasitology* 139:150-157.

Shaik, S.A., T.H. Terrill, J.E. Miller, B. Kouakou, G. Kannan, R.M. Kaplan, J.M. Burke and J.A. **Mosjidis**. 2005. Anthelmintic effects of feeding sericea lespedeza hay to goats infected with *Haemonchus contortus*. *Proceedings of the XX International Grassland Congress*. June 26-July 1, 2005 Dublin, Ireland.

Eddy, J.L., C.L. Wickens, C.A. McCall, R.B. Muntifering, W.H. McElhenney, J.A. **Mosjidis**. 2005. Digestibility comparisons of sericea lespedeza and coastal bermudagrass hays for horses. *Proc. Equine Science Society*.

Shaik,S. A., T. H. Terrill, B. Kouakou, G. Kannan, J. E. Miller, R. M. Kaplan, J. M. Burke, and J. A. **Mosjidis**. 2005. Effects of sericea lespedeza hay on goats infected with *Haemonchus contortus*. Meeting of the Southern Section American Society of Animal Science In Conjunction with the 102<sup>nd</sup> Annual Convention of the Southern Association of Agricultural Scientists February 4–8, 2005 Little Rock, Arkansas.

Lange,K., D. Olcott, J. Miller, J. **Mosjidis**, T. Terrill, and J. Burke. 2005. Effect of the condensed tannin containing forage, sericea lespedeza, fed as hay, on natural and experimental challenge infection in lambs. Meeting of the Southern Section American Society of Animal Science In Conjunction with the 102<sup>nd</sup> Annual Convention of the Southern Association of Agricultural Scientists February 4–8, 2005 Little Rock, Arkansas.

Lange, K.C., D.D. Olcott, J.E. Miller, J.A. **Mosjidis**, T.H. Terrill, and J.M. Burke. 2005. Effect of the condensed tannin containing forage, sericea lespedeza, fed as hay on natural and experimental challenge infection in lambs. 4th International workshop: Novel Approaches to the Control of Helminth Parasites of Livestock,10-12 January, 2005, University Cultural Center, Universidad Autónoma de Yucatán, Mérida, Yucatán, México.

Shaik,S.A., T.H. Terrill, J.E. Miller, B. Kouakou, G. Kannan, R.M. Kaplan, J.M. Burke and J.A. **Mosjidis**. 2005. Effects of feeding sericea lespedeza hay to goats infected with *Haemonchus contortus*. 4th International workshop: Novel Approaches to the Control of Helminth Parasites of Livestock,10-12 January, 2005, University Cultural Center, Universidad Autónoma de Yucatán, Mérida, Yucatán, México.

Shaik,S.A., T.H. Terrill, J.E. Miller, B. Kouakou, G. Kannan, R.K. Kallu, and J.A. **Mosjidis**. 2004. Effects of feeding sericea lespedeza hay to goats infected with *Haemonchus contortus*. South African Journal Anim. Sci. 34 (Suppl. 1), 234-236.

**Mosjidis**, J. A., T.H. Terrill, S.A. Shaik, J.E. Miller, B. Kouakou, and G. Kannan. 2004. Sericea lespedeza, an anthelmintic plant for goats with great potential in pasture renovation and in pure stands. Proceedings of the Joint Meeting of the 39th North American Alfalfa Improvement Conference and the 18th Trifolium Conference, Quebec City, Quebec, Canada, July 18-21. [Online]. Available at <http://www.naaic.org/Meetings/National/2004NAAIC&TC/2004abstracts/jmosjidis.pdf> (verified 29 July 2004)

Shaik,S.A., T.H. Terrill, J.E. Miller, B. Kouakou, G. Kannan, R.M. Kaplan, J.M. Burke and J.A. **Mosjidis**. 2004. Effects of feeding sericea lespedeza hay on goats infected with *Haemonchus contortus*. Joint Meeting of The American Association of Veterinary Parasitologists 49th Meeting and The American Society of Parasitologists 79th Meeting, Philadelphia, Pennsylvania July 24–28, 2004.

**Mosjidis**, J.A. 2004. Development of Seed-producing Sun Hemp Cultivars for the Southeast. Annual Meeting of the Southern Branch ASA, June 27-29, 2004, Biloxi MS. CD-ROM.

**Mosjidis**, J.A 2003. Genetic diversity as affected by breeding origin in red clover cultivars.

Annual Meeting Abstracts. ASA, CSSA, SSSA. CD-ROM.

**Mosjidis**, J.A. 2002. Registration of 'AU Merit' hairy vetch. *Crop Sci.* 42:1751.

**Mosjidis**, J. A., and C. M. Owsley. 2002. Legume cover crop development by NRCS and Auburn University. p.305-309. *In: van Santen, E. (ed.) Proceedings of the 25<sup>th</sup> Annual Southern Conservation Tillage Conference for Sustainable Agriculture.* Auburn, AL, USA, 24-26 June 2002.

**Mosjidis**, J. A. 2002. Breeding sericea lespedeza for grazing tolerance. p.28. *In: Smith G.R. and G. Evers (ed.) Proceedings of the Seventeenth Trifolium Conference, Overton, Texas, April 10-12, 2002.*

Ball, D.M., and J.A. **Mosjidis**. 2002. Cahaba White vetch. Timely Information Sheet. 5 p. Alabama Cooperative Extension Service.

Ball, D.M., J.A. **Mosjidis**, S. Nightengale, R. Rawls and C. Norris. 2002. AU Grazer - A new sericea lespedeza that tolerates heavy grazing. Timely Information Sheet. 3 p. Alabama Cooperative Extension Service.

Ball, D.M., and J.A. **Mosjidis**. 2002. You'll like this lespedeza. *Hay and Forage* 17(2):12.

**Mosjidis**, J. A. 2001. Registration of 'AU Grazer' sericea lespedeza. *Crop Science* 41:262.

**Mosjidis**, J.A. 2001. Forage Legume Breeding and Evaluation at Auburn University in the Last 16 Years. p.41-46. *In: Lang D. (ed.) Proceedings of the 56th. Southern Pasture and Forage Crop Improvement Conference, Springdale, Arkansas, April 21-22, 2001.* CD-ROM. (Available online at <http://www.agr.okstate.edu/spfcic/procedures/2001/56th.htm>) (Verified 3 July 2001).

Ball, D.M., and J.A. **Mosjidis**. 2001. AU EarlyCover Hairy Vetch. Timely Information Sheet. 4 p. Alabama Cooperative Extension Service.

Xie, C. and J.A. **Mosjidis**. 1999. Influence of sample size on precision of genetic correlations in red clover. *Crop Science* 39:863-967.

Xie, C. and J.A. **Mosjidis**. 1997. Influence of sample size on precision of heritability and expected selection response in red clover. *Plant Breeding* 116:83-88.

Xie, C., S. Xu, and J.A. **Mosjidis**. 1997. Multistage selection indices for maximum genetic gain and economic efficiency in red clover. *Euphytica* 98:75-82.

Xie, C. and J.A. **Mosjidis**. 1996. Selection of stable cultivars using phenotypic variances. *Crop Science* 36:572-576.

Xie, C. and J.A. **Mosjidis**. 1995. Seedling selection effects on morphological traits of mature plant in red clover. *Theoretical and Applied Genetics* 91:1032-1036.

Qiu, J., J.A. **Mosjidis**, and J.C. Williams. 1994. Seedling growth as affected by seed weight in common vetch. *Agronomy Journal* 86:251-255.

Qiu, J. and J.A. **Mosjidis**. 1993. Relationships among maximum hypocotyl length, seed weight, and emergence in sericea lespedeza. *Agronomy Journal* 85:995-998.

Zhang, X.F., J.A. **Mosjidis**, and Z.L. Hu. 1992. Methods for detection and estimation of linkage between a marker locus and quantitative trait loci. *Plant Breeding* 109:35-39.

Beuselinck, P.R. and J.A. **Mosjidis**. 1991. Genetic nomenclature in clover and special-purpose legumes III. *Lotus, Lespedeza, Kummerowia* and *Vicia*. *Crop Science* 31:871-874.

**Mosjidis**, J.A., J.G. Waines, D.M. Yermanos, and A.A. Rosielle. 1989. Methods for the study of cytoplasmic effects on quantitative traits. *Theoretical and Applied Genetics* 77:195-199.

**Mosjidis**, J.A., C.K. Huzar, and D.A. Roland. 1989. A BASIC program to calculate genetic effects with the use of generation means analysis. *Journal of Heredity* 80 (2): 167.

Beaver, B.J. and J.A. **Mosjidis**. 1988. Important consideration in the analysis of generation means. *Euphytica* 39: 233-235.

**Mosjidis**, J.A. and D.M. Yermanos. 1984. Maternal effects and cytoplasmic inheritance of oleic and linoleic acid contents in sesame. *Euphytica* 33:427-432.

**Mosjidis**, J.A. 1982. Inheritance of color in the pericarp and corolla of the disc florets in sunflower. *Journal of Heredity* 3:461-464.