

1. Peer-reviewed journal articles:

- Gomez S., M., G. Burow, J. J. Burke, V. Belamkar, N. Puppala and M. D. Burow . 2011. Heat stress screening of peanut (*Arachis hypogaea* L.) seedlings for acquired thermotolerance. *Plant Growth Regulation* 65: 83-91.
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- Kottapalli, P., P. Payton, M. D. Burow, H. Upadhyaya, S. Dwivedi, S. Sanogo, and N. Puppala. 2011. Population Structure and Diversity in Valencia Peanut Germplasm Collection. *Crop Science* 51: 1089-1100.
- Qin, H, Q. Gu, J. Zhang, L. Sun, S. Kuppu, Y. Zhang, M. Burow, P. Payton, E. Blumwald, and H. Zhang. 2011. Regulated expression of an isopentenyltransferase gene (IPT) in peanut significantly improves drought tolerance and increases yield under field conditions. *Plant Cell Physiol.* 52:1904-14.
- Cason, J. M., C. E. Simpson, J. L. Starr, and M. D. Burow. 2010. Marker-assisted selection in the transfer of root-knot nematode resistance in the commercial peanut (*Arachis hypogaea* L.). *The Texas Journal of Science* 62(1).
- Burow, M. D., C. E. Simpson, M. W. Faries, J. L. Starr, and A. H. Paterson. (2009) Molecular biogeographic study of recently-described B-genome *Arachis* species, also providing new insights into the origins of cultivated peanut. *Genome* 52: 107-119.
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- Payton, P., K. R. Kottapalli, D. Rowland, W. Faircloth, B. Guo, M. Burow, N. Puppala, and M. Gallo. (2009) Gene expression profiling in peanut using high density oligonucleotide microarrays. *BMC Genomics* 10:265, pp. 1-11.
- Kottapalli, K. R., R. Rakwal, G. K. Agrawal, J. Shibato, M. Burow, P. Payton, and N. Puppala (2008) Proteomics analysis in mature seed of four peanut cultivars using two-dimensional gel electrophoresis reveals distinct differential expression of storage, antinutritive, and allergen proteins. *Plant Sci.* 175: 321-329
- Gomez, S. M., N. N. Denwar, T. Ramasubramanian, C. E. Simpson, G. Burow, J. J. Burke, N. Puppala, and M. D. Burow. (2008) Identification of Peanut Hybrids Using Microsatellite Markers and Horizontal Polyacrylamide Gel Electrophoresis. *Peanut Sci* 35: 123–129
- López, Y., M. D. Burow, J. L. Ayers, M. R. Baring, and C. E. Simpson. (2007) TxAG-8 Peanut Germplasm. *J. Plant Registr.* 1: 150.
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- Baring, M. R., Y. Lopez, C.E. Simpson, M.C. Black, J. C. Cason, J. Ayers, and M. D. Burow. (2007) Registration of 'Tamnut OL06' Peanut. *Crop Sci.* 46: 2720-2721.
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2. Nonrefereed journal articles:

- Burow, M., and F. A. Bliss. (1988) Effects of the genetic suppression of phaseolin and lectin proteins on agronomic characteristics of the common bean, *Phaseolus vulgaris* L. *Ann. Rep. Bean Impr. Coop.* 31: 176-177.
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3. Book chapters:

- Burow, M. D., M. Gomez S., H. Upadhyaya, P. Ozias-Akins, B. Guo, D. J. Bertoli, S. C. de Macedo Leal-Bertioli, M. de Carvalho Moretzsohn, and P. Messenberg Guimarães. (2008) Genomics of Peanut, a Major Source of Oil and Protein. *in* Genomics of Tropical Crop Plants, P. H. Moore and R. Ming (eds.) Springer-Verlag, pp 421-440.
- Paterson, A. H., H. T. Stalker, M. Gallo-Meagher, M. D. Burow, S. L. Dwivedi, J. H. Crouch, and E. S. Mace. (2004) Genomics and Genetic Enhancement of Peanut. Chapter 6 *in* Legume Crop Genomics, American Oil Chemists Society.
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- Moroney, J. V., Burow, M., Chen, Z.-Y., Borkhsenius, O. N., Mason, C. B., and A. Somanchi. (1998) Adaptation of *Chlamydomonas reinhardtii* to limiting CO₂ conditions. *in* Photosynthesis: Mechanisms and Effects. Vol. V, (ed) G. Garab. Dordrecht: Kluwer Academic, pp. 3443-3446.
- Chen, Z.-Y., M. D. Burow, and J. V. Moroney. (1995) Characterization of genes induced by low CO₂ in *Chlamydomonas reinhardtii*. *in* Mathis, P. (ed.) *Photosynthesis: from light to biosphere*. Vol. 5. Dordrecht: Kluwer Academic Publishers. pp 619-622.

4. Conference Proceedings:

- Peanut Crop Germplasm Committee. (2003) Report on the Status of *Arachis* Germplasm in the United States. American Peanut Research and Education Society.
- U.S. Legume Crops Genomics Workshop. (2001) White Paper.

5. Experiment Station Publications:

- Branch, W., D. L. Coker, T. G. Isleib, J. W. Chapin, J. P. Bostick, D. W. Gorbet, B. L. Tillman, C. E. Simpson, M. D. Burow, M. R. Baring, and B. Greenhagen. Uniform Peanut Performance Tests 2010. (Apr. 2011) University of Georgia Coastal Plain Experiment Station, Tifton, GA.
- Branch, W., D. L. Coker, T. G. Isleib, J. W. Chapin, J. P. Bostick, D. W. Gorbet, B. L. Tillman, C. E. Simpson, M. D. Burow, M. R. Baring, and B. Greenhagen. Uniform Peanut Performance Tests 2009. (Apr. 2010) University of Georgia Coastal Plain Experiment Station, Tifton, GA.
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