

CURRICULUM VITAE
CHARLES E. SIMPSON

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AREA OF EXPERTISE/INTEREST

Germplasm of peanut species for introgression and enhancement for crop improvement

HIGHER EDUCATION

Texas A&M University	B.S. in Agricultural Education, 1963
Texas A&M University	M.S. in Plant Breeding & Cytogenetics, 1966
Texas A&M University	Ph.D. in Plant Breeding & Cytogenetics, 1967

EMPLOYMENT HISTORY

2007-Present Professor Emeritus, Texas AgriLife Research, Texas A&M University
2003-2007 Professor Emeritus, Texas Agricultural Experiment Station
1979-Present: Graduate Faculty, Texas A&M University
1984-2003: Professor, Texas Agricultural Experiment Station
1975-1984: Associate Professor, Texas Agricultural Experiment Station
1967-1975: Assistant Professor, Texas Agricultural Experiment Station
I am also Adjunct Professor at Tarleton State University and Texas Tech University so I can serve on graduate student committees.

CURRENT RESEARCH ACTIVITIES

Peanut germplasm collection and preservation; peanut germplasm evaluation, enhancement, and utilization. Co-leader on international efforts to collect, preserve and utilize wild peanut species; Peanut variety development and release.

GRANTS AND CONTRACTS

Total with collaborators \$10,242,050
Total for local use \$2,891,506
Internal resources awarded \$629,000

AWARDS

I have received thirteen different state (2), national (7), and international (4) awards during my career.

PUBLICATIONS 1967 - 2017

REFERRED JOURNAL ARTICLES -----	123
NON-REFERRED J. ARTICLES -----	5
SCIENTIFIC PRESENTATIONS -----	161
INTERNATIONAL WORKSHOPS -----	12
BOOK CHAPTERS AUTHORED OR COAUTHORED ----	16
BOOKS TRANSLATED SPANISH TO ENGLISH -----	1
TAES, USDA, & OTHER PUBLICATIONS-----	39
POPULAR AND TRADE JOURNAL ARTICLES -----	127

SELECTED PUBLICATIONS

Valls, J.F.M. and C.E. Simpson. 2017. A new species of *Arachis* (Fabaceae) from Mato Grosso, Brazil Related to *Arachis matiensis*. *Bonplandia* 26(2): 143-149 ISSN 1853-8460 (digital).
Wilson, J. N., R. Chopra, M.R. Baring, M.G. Selvaraj, C.E. Simpson, J. Chagoya, and M.D. Burow. 2017. Advanced Backcross Quantitative Trait Loci (QTL) Analyses of Oil Concentration and Oil Quality Traits in Peanut (*Arachis hypogaea* L). *Tropical Plant Biology* Vol. 10: 1-17. <https://doi.org/10.1007/S12042-016-9180-5>.
Chopra, R., G. Burow, C. E. Simpson, J. Chagoya, J. Mudge, and M. D. Burow. 2016. Transcriptome Sequencing of Diverse Peanut (*Arachis*) Wild Species and the Cultivated

Species Reveals a Wealth of Untapped Genetic Variability. G3 g3.115.026898;
doi:10.1534/g3.115.026898

- Simpson, C.E. 2015. Biodiversity in *Arachis* – Its Collection, Preservation, Distribution, Evaluation and Utilization. Calvin Sperling Biodiversity Award Lecture. November 17, 2015. 11:00 to 11:50 AM. Presented at the Annual meetings of the Crop Science Society of America. Minneapolis, MN. November 15-18, 2015.
- Wondracek-Lüdke, D.C., A.R. Custodio, C.E. Simpson, and J.F.M. Valls. 2015. Crossability of *Arachis valida* and B genome *Arachis* species. *Genetics and Molecular Research* 14 (4): 17574-17586.
- Burow, M. D., J. L. Starr, C. Park, **C. E. Simpson**, and A. H. Paterson. 2014. Introgression of homeologous quantitative trait loci (QTLs) for resistance to the root-knot nematode [*Meloidogyne arenaria* (Neal) Chitwood] in an advanced backcross-QTL population of peanut (*Arachis hypogaea* L.) *Mol Breeding* 34: 393-406.
- Burow, M. D., M. R. Baring, J. L. Ayers, A. M. Schubert, Y. López, and **C. E. Simpson**. 2014. Registration of Tamrun OL12' Peanut. *J Plant Regist* 8:117-121.
- Burow, M. D., M. R. Baring, N. Puppala, **C. E. Simpson**, J. L. Ayers, J. Cason, A. M. Schubert, A. Maitia, and Y. López. 2014. Registration of 'Schubert' Peanut. *J Plant Regist* 8:122-126.
- Simpson, C.E.**, J.L. Starr, M.R. Baring, M.D. Burow, J.M. Cason, J.N. Wilson. 2013. Registration of 'Webb' Peanut. *Journal of Plant Registrations* 7 (3): 265-268. doi 10.3198/jpr2013.01.0005crc.
- Baring, M. R., J. N. Wilson, M. D. Burow, **C. E. Simpson**, J. L. Ayers, and J. Cason. 2013. Variability of total oil content in peanut across the state of Texas. *Journal of Crop Improvement* 27(2):125-136.
- Baring, M.R., **C.E. Simpson**, M.D. Burow, J.M. Cason and J.L. Ayers. 2013. Registration of 'Tamrun OL11' Peanut. *Journal of Plant Registrations* 7 (2): 154-158. doi 10.3198/jpr2012.06.0001crc.
- Krapovickas, A., Ricardo O. Vanni, Jose R. Pietrarelli, and **Charles E. Simpson**. 2013. Las Razas de Mani de Peru (The Races of Peanut of Peru). *Bonplandia XXII #1*: 19-90. ISSN 0524-0476.
- Simpson, C.E.** 2012. Breeding Peanut, Chapter 36, pp 639-646. IN. *Principles of Plant Genetics and Breeding*. George Acquaah, Ed. ISBN 978-0470-66476-6. 758 pp. John Wiley & Sons, Inc. Hoboken N.J. 07030, USA.
- Wilson, J. N., M. R. Baring, M. D. Burow, W. L. Rooney, and **C. E. Simpson**. 2013. Generation means analysis of oil concentration in peanut. *Journal of Crop Improvement* 27(1):85-95.

PLANT VARIETY PROTECTION PATENTS

- Smith, O.D., Simpson, C.E., Black, M.C. and Besler, B.A. 1998. PVP of 'Tamrun 96' Runner peanut issued April 9, 2002. Washington, D.C. PVP # 9800338.
- Simpson, C.E., O.D. Smith and H.A. Melouk. 2000. PVP of 'Tamrun 98' Peanut issued April 18, 2002. Washington, D.C. PVP # 9900189.
- Simpson, C.E. and J.L. Starr. 2001. PVP of 'COAN' Peanut issued April 18, 2002. Washington, D.C. PVP # 9900338.
- Simpson, C.E., J.L. Starr, M.D. Burow, A.H. Paterson 2003. PVP of 'NemaTAM' peanut issued September 16, 2003. Washington, D.C. PVP # 200200148.
- Simpson, C.E., M.R. Baring, A.M. Schubert, H.A. Melouk, M.A. Black, Y. Lopez, and J.S. Kirby. 2003. PVP of 'OLin' peanut issued March 3, 2004. Washington, D.C. PVP # 200200149.
- Simpson, C.E., M.R. Baring, A.M. Schubert, H.A. Melouk, M.A. Black, Y. Lopez, and K.R. Keim. 2003. PVP of 'Tamrun OL01' peanut issued May 10, 2004. Washington, D.C. PVP # 200200150.
- Simpson, C.E., M.R. Baring, A.M. Schubert, M.A. Black, H.A. Melouk, and Y. Lopez. 2006. PVP of Tamrun OL02 issued November 10, 2004. Washington, D.C. PVP # 200300170.
- Baring, M.R., Y. Lopez, C.E. Simpson, J.M. Cason, J. Ayers, and M.D. Burow. 2012. PVP of 'Tamnut OL06' Peanut issued September 14, 2012, Washington, D.C.
- Baring, M.R., C.E. Simpson, M.D. Burow, M.C. Black, J.M. Cason, J. Ayers, Y. Lopez, and H.A. Melouk. 2013. PVP of 'Tamrun OL07' Peanut issued February 20, 2013, Washington, D.C. PVP # 201300???
- Melouk, H.A. K. Chamberlin, C.B. Godsey, J. Damicone, M.D. Burow, M.R. Baring, C.E. Simpson, K.E. Dashiell, M. Payton. 2012. PVP of Red River Runner Peanut issued July 30, 2013. Washington, D.C. PVP # 201200244.
- Baring, M.R., C.E. Simpson, M.D. Burow, J.M. Cason, J.L. Ayers. 2013. PVP of 'Tamrun OL11' Peanut issued September 30, 2013. Washington, D.C. PVP # 201300196
- Plus Five more PVP Certificates, 3 pending.

STUDENT TRAINING

Employed and mentored approximately 400 undergraduate students including 14 internships
Chair and/or Cochair for MS and PhD students from 7 different countries plus 8 graduate students from the USA
Committee member for MS and PhD students from 5 different countries plus 11 from the USA

Mentored Post-Docs from Argentina and Brazil