

## Vitae

Dr. Amir Ibrahim

Professor, Small Grains Breeder and Geneticist

30% Teaching, 70% Research

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### Education:

Ph.D., Plant Breeding and Genetics, Colorado State University, 1998

M.S., Crop Production, American University of Beirut, Lebanon, 1994

B.S. (HONOR), Crop Science, University of Gezira, Sudan, 1991

**Teaching Focus:** SCSC 660 Experimental Designs in Agriculture and SCSC 402 Crop Stress Management.

**Research & Extension Focus:** Resistance to pests and diseases, heat and drought tolerance, end-use quality, synthetic wheat, molecular mapping and breeding, and hybrid wheat.

**Grants and Contracts:** \$5 million from federal, private sector, commodity groups, and state agencies

**Cultivar Releases:** Dr. Ibrahim released and co-released 18 wheat and 3 oat cultivars.

### Referred Journal Articles (up to December 2017):

90. Abdelghafor, R., A. Mustafa, A.M.H. Ibrahim, and P. Krishnan. 2013. Effect of Sorghum Flour Addition on Chemical and Rheological properties of Hard White Winter Wheat. *Adv. Journal of Food Science and Technology* 5:1407-1412.
89. Abdelghafor, Ranya F., Abdelmoneim I. Mustafa, Amir M.H. Ibrahim and Padmanaban G. Krishnan. 2011. Quality of Bread from Composite Flour of Sorghum and Hard White Winter Wheat. *Adv. J. Food Sci. Technol.* 3: 9-15.
88. Addison, C.K, Mason, R.E, Brown-Guedira, G., Guedira, M., Hao, Y., Lozada, D.L, Acuna, A.M., Arguello, N.A., Subramanian, N., Johnson, J., Ibrahim, A.M.H., Sutton, R., Harrison, S.A. 2016. QTL and major genes associated with grain yield in soft red winter wheat adapted to the southern United States. *Euphytica* 209:665–677.
87. Afzal, F., B. Reddy, A. Gul, M. Khalid, A. Subhani, K. Shazadi, U. Masood Quraishi, A. M. H. Ibrahim, and A. Rasheed. 2017. Physiological, biochemical and agronomic traits associated with drought tolerance in a synthetic-derived wheat diversity panel. *Crop and Pasture Science*: <https://doi.org/10.1071/CP16367>.
86. Ali, M., A.M.H. Ibrahim, Dirk B. Hays, Z. Ristic, and J. Fu. 2010. Wild tetraploid wheat (*Triticum turgidum* L.) response to heat stress. *Journal of Crop Improvement* 24:228-243.
85. Ali, M., A.M.H. Ibrahim, S. Malla, J. Rudd, and D. Hays. 2013. Family-based QTL mapping of heat stress tolerance in primitive tetraploid wheat (*Triticum turgidum* L.). *Euphytica* 192:189-203.

84. Assanga, S.O., G. Zhang, C.-T. Tan, J.C. Rudd, A. Ibrahim, Q. Xue, S. Chao, M.P. Fuentealba, S.Y. Liu. 2017. Saturated genetic map of wheat streak mosaic virus resistance gene wsm2 in wheat. *Crop Sci.* 57:332–339.
83. Attia, A., N. Rajan, G. Ritchie, S. Cui, A. M.H. Ibrahim, D. Hays, Q. Xue, and J. Wilborn. 2015. Yield, Quality, and Spectral Reflectance Responses of Cotton under Sub-Surface Irrigation. *Agronomy Journal* 107:1355–1364.
82. Attia, A., N. Rajan, Q. Xue, S. Nair, A.M.H. Ibrahim, and D. Hays. 2016. Application of DSSAT-CERES-Wheat model to simulate winter wheat response to irrigation management in the Texas High Plains. *Agricultural Water Management* 165: 50–60.
81. Attia, A. N. Rajan, A. M.H. Ibrahim, Q. Xue, P. Delaune, S. Nair, and D. Hays. 2016. Modeling Cotton Lint Yield and Water Use Efficiency Responses to Various Irrigation Scheduling Strategies. *Agronomy Journal* 108:1–10.
80. Babiker, E., A.M.H. Ibrahim, Y. Yen, and J. Stein. 2009. Development of a Microsatellite Marker for tagging stem rust resistance gene Sr35 in wheat. *Aust J. Crop Sci* 3:195-200.
79. Babar, M. A., A. R. Blount, R. R. Barnett, C. Mackowiak, M. Akond, S. A. Harrison, J. W. Johnson, M. Mergoum, E. Mason, P. Murphy, A. M. H. Ibrahim, R. Sutton, and B. Simoneaux. 2016. Registration of “FL720” Oat. *Journal of Plant Registration* doi:10.3198/jpr2016.04.0025crc.
78. Baenziger, P.S., R. A. Graybosch, L. A. Nelson, T. Regassa, R. N. Klein, D. D. Baltensperger, D. K. Santra, A. M. H. Ibrahim, W. Berzonsky, J. M. Krall, L. Xu, S. N. Wegulo, M. L. Bernards, Y. Jin, J. Kolmer, J. H. Hatchett, Ming-Shun Chen, and Guihua Bai. 2011. Registration of 'NH03614 CL' Wheat. *J. Plant Registrations* 5:75-80.
77. Baenziger, P.S., R. A. Graybosch, A.M.H. Ibrahim, D. D. Baltensperger, L. A. Nelson, Y. Jin, Stephen Wegulo, J. E. Watkins, Ming-Shun Chen, Guihua Bai, B. Beecher, and J. H. Hatchett. 2008. Registration of ‘NE01643’ wheat. *Journal of Plant Registrations* 2:36-42.
76. Basnet, B.R., Ali, M.B., Ibrahim, A.M.H., Payne, T., Mosaad, M.G. 2011. Evaluation of genetic bases and diversity of Egyptian wheat cultivars released during the last 50 years using coefficient of parentage. *Communications in Biometry and Crop Science* 6: 31–47.
75. Basnet, B.R., K. Glover, Y. Yen, S. Chao, and A.M.H. Ibrahim. 2012. A QTL on chromosome 2DS of 'Sumai 3' increases susceptibility to Fusarium Head Blight in wheat. *Euphytica* 186:91-101.
74. Basnet B. R., Ibrahim A. M. H., Rudd J., Singh R.P., Huerta-Espino J. and Herrera S. 2013. Genetic analysis of adult plant stripe and leaf rust resistance in spring wheat line Quaiu3. *Plant Disease* 97:728-736.
73. Basnet, B.R. R. P. Singh, A. M. H. Ibrahim, S. A. Herrera-Foessel, J. Huerta-Espino, C. Lan & J. C. Rudd. 2014. Characterization of Yr54 and other genes associated with adult plant resistance to yellow rust and leaf rust in common wheat Quaiu 3. *Molecular Breeding* 33:385-399.
72. Basnet B.R., Ibrahim A.M.H, Chen X., Singh R.P., Hays D.B., Mason E.R., Liu S., Bowden R., Devkota R.N., Subramanian N.K. and Rudd J.C. 2014. Molecular Mapping of Stripe Rust Resistance in Hard Red Winter Wheat TAM 111 Adapted to the U.S. High Plains. *Crop Science* 54:1-13.
71. Beecher, F., E. Mason, S. Mondal, Amir M. H. Ibrahim, and D. Hays. 2012. Identification of Quantitative Trait Loci (QTLs) Associated with Maintenance of Wheat (*Triticum aestivum* Desf.) End-use Quality under Heat Stress Conditions. *Euphytica* 188:361–368.

70. Bockus, W. W., Baenziger, P. S., and Ibrahim, A. M. H. 2008. Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to Fusarium head blight (FHB), 2007. *Plant Disease Management Reports*. 1:CF009.
69. Boote, K.J., A.M.H. Ibrahim, R. Lafitte, R.L. McCulley, C. Messina, S.C. Murray, J.E. Specht, S. Taylor, M.E. Westgate, K. Glasener, C.G. Bijil, and J.H. Giese. 2011. Position statement on crop adaptation to climate change. *Crop Sci*. 51:2337-2343.
68. Butcher, J.D., K. M. Crosby, A.M.H. Ibrahim, D. I. Leskovar, L. Jifon, K.S. Yooi, and B. Patil. 2012. Environmental and genotypic variation of Capsaicinoid and flavonoid concentrations in Habanero (*Capsicum chinense*) peppers. *HortScience* 47:574-579.
67. Chen, Y., J. T. Cothren, D. Chen, A. M. H. Ibrahim, and L. Lombardini. 2014. Effect of 1-MCP on Cotton Plants under Abiotic Stress Caused by Ethephon. *American Journal of Plant Sciences* 5: 3005-2016.
66. Chen, Yuan, Dehua Chen, J. Tom Cothren, Amir M.H. Ibrahim, Leonardo Lombardini. 2014. Effect of 1-MCP on boll development and subtending leaves of cotton plants. *American Journal of Plant Sciences* 5:3345-3353.
65. Chen, Y., J. T. Cothren, C. De-hua, A. M.H. Ibrahim, and L. Lombardini. 2015. Ethylene inhibiting compound 1-MCP delays leaf senescence in cotton plants under abiotic stress conditions. *Journal of Integrative Agriculture*. Doi : 10.1016/S2095-3119(14)60999-0.
64. Cooper, J., A.M.H. Ibrahim, J. Rudd, D. Hays, J. Baker, and S. Malla. 2012. Increasing Hard Winter Wheat Yield Potential via Synthetic Wheat: I. Path-coefficient Analysis of Yield and its Components. *Crop Science* 52: 2014-2022.
63. Cooper, J., A.M.H. Ibrahim, J. Rudd, D. Hays, J. Baker, and S. Malla. 2013. Increasing Hard Winter Wheat Yield Potential via Synthetic Wheat: II. Heritability and Combining Ability of Yield and its Components. *Crop Science* 53: 67-73.
62. Darapuneni, M.K., G.D. Morgan, A.M.H. Ibrahim, and R.W. Duncan. 2014. Effect of vernalization and photoperiod on flax flowering time. *Euphytica* 195:279-285.
61. Darapuneni, M.K., G. D. Morgan, A. M. H. Ibrahim, and R. W. Duncan. 2014. Association of flax seed yield and its components in Southeast Texas using path coefficient and biplot analyses. *Journal of Crop Improvement* 28:1-17.
60. Darapuneni, M.K., G.D. Morgan, A.M.H. Ibrahim, and R.W. Duncan. 2014. Evaluation of flax genotypes for cold tolerance and yield in South-East Texas. *J Agro Crop Sci* ISSN 0931-2250. DOI: 10.1111/jac.12097.
59. Darapuneni, M.K., G. D. Morgan, A. M. H. Ibrahim, R. W. Duncan, B. Bean, T. Baughman, C. Trostle, L. Tarpley, R. Sutton, J. Grichar, and B. Wiedenfeld. 2014. The evaluation of cool-season oilseed crops for yield and adaptation in Texas: an approach for selection of efficient biofuel feedstock. *International Journal of Agronomy and Agricultural Research* 5:62-74.
58. Eder, Z.P., S. Singh, D. Fromme, D.A. Mott, A.M.H. Ibrahim, and G. D. Morgan. 2017. Cotton harvest aid regimes and their interaction with cotton cultivar characteristics impacting leaf grade. *Agronomy Journal* 109: 2714-2722.
57. Fu, J., R.L. Bowden, P.V. Prasad, and A.M.H. Ibrahim. 2015. Genetic Variation for Heat Tolerance in Primitive Cultivated Subspecies of *Triticum turgidum* L. *Journal of Crop Improvement* 29:565-580.
56. Glover, J.D., J.P. Reganold, L.W. Bell, J. Borevitz, E.C. Brummer, E.S. Buckler, C.M. Cox, T.S. Cox, T.E. Crews, S.W. Culman, L.R. DeHaan, D. Eriksson, B.S. Gill, J. Holland, F. Hu, B.S.

- Hulke, A.M.H. Ibrahim, W. Jackson, S.S. Jones, S.C. Murray, A.H. Paterson, E. Ploschuk, E.J. Sacks, S. Snapp, D. Tao, D.L. Van Tassel, L.J. Wade, D.L. Wyse, Y. Xu. 2010. Increased food and ecosystem security via perennial grains. *Science* 328:1638-1639.
55. Gu, X.-Y., L. Zhang, K. Glover, C. Chu, S.S. Xu, J.D. Faris, T.L. Friesen, A. M.H. Ibrahim. 2010. Genetic variation of seed dormancy in synthetic hexaploid wheat-derived populations. *Crop Sci.* 50:1318–1324.
54. Hakizimana, F., A. M. H. Ibrahim, M. C. A. Langham, J. C. Rudd, and S. D. Haley. 2004. Generation means analysis of wheat streak mosaic virus resistance in winter wheat. *Euphytica* 139: 133-139.
53. Hakizimana, F., A. M. H. Ibrahim, M. C. A. Langham, S. D. Haley, and J. C. Rudd. 2004. Diallel Analysis of Wheat Streak Mosaic Virus Resistance in Winter Wheat. *Crop Sci.* 44:89-92.
52. Harrison, S.A., M. A. Babar, A. R. Blount, R. R. Barnett, C. Mackowiak, M. Akond, J. W. Johnson, M. Mergoum, E. Mason, P. Murphy, A. M. H. Ibrahim, R. Sutton, and B. Simoneaux. 2016. LA05006, a dual-purpose oat for Louisiana and other southeastern regions of the USA. *Journal of Plant Registration* (Accepted).
51. Huggins, T.D., S. Mohammed, P. Sengodan, A.M.H. Ibrahim, M. Tilley, and D.B. Hays. 2017. Changes in leaf epicuticular wax load and its effect on leaf temperature and physiological traits in wheat cultivars (*Triticum aestivum* L.) exposed to high temperatures during Anthesis. *J Agro Crop Sci.* 2017. DOI: 10.1111/jac.12227.
50. Ibrahim, A. M. H., and J.S. Quick. 2001. Genetic control of high temperature tolerance in wheat as measured by membrane thermal stability. *Crop Sci.* 44:1405-1407.
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48. Ibrahim, A.M.H., S.D. Haley, P. S. Baenziger, Y. Jin, M.A.C. Langham, J. Rickertsen, S. Kalsbeck, R. Little, J. Ingemansen, O.K. Chung, B.W. Seabourn, G.H. Bai, Ming-Shun Chen and D.V. McVey. 2008. Registration of ‘Alice’ wheat. *Journal of Plant Registrations* 2:110-114.
47. Ibrahim, A.M.H., S.D. Haley, P. S. Baenziger, Y. Jin, M.A.C. Langham, J. Rickertsen, S. Kalsbeck, R. Little, J. Ingemansen, O.K. Chung, B.W. Seabourn, G.H. Bai, Ming-Shun Chen and D.V. McVey. 2008. Registration of ‘Darrell’ wheat. *Journal of Plant Registrations* 2:115-119.
46. Ibrahim, A.M.H., J. Johnson, R. Sutton, G. Morgan, J. Rudd, L.R. Nelson, A. Knutson, J.J. Heitholt, and G.D. Buntin. 2010. Registration of ‘TAMsoft 700’ wheat. *Journal of Plant Registrations* 4:50-54.
45. Ibrahim, A.M.H., S.D. Haley, Y. Jin, M.A.C. Langham, C. Stymiest, J. Rickertsen, S. Kalsbeck, R. Little, O.K. Chung, B.W. Seabourn, and D.V. McVey. 2004. Registration of ‘Expedition’ wheat. *Crop Sci.* 44:1470.
44. Ibrahim, A.M.H., S.D. Haley, Y. Jin, M.A.C. Langham, J. Rickertsen, S. Kalsbeck, R. Little, O.K. Chung, B.W. Seabourn, and D.V. McVey. 2006. Registration of ‘Wendy’ wheat. *Crop Sci.* 46: 1389 -1390.
43. Ibrahim, A.M.H., J. Rudd, R. Devkota, J. Baker, R. Sutton, B. Simoneaux, G. Opeña, R. Herrington, L. Rooney, L. Dykes, J. Awika, L. R. Nelson, A. Fritz, R. L. Bowden, R. A. Graybosch, Y. Jin, B. W. Seabourn, X. Chen, J. Kolmer, P. St. Amand, G. Bai, and R. Duncan. 2015. Registration of ‘TAM 305’ wheat. *Journal of Plant Registrations* 9:325–330.

42. Islamovic, E., D. E. Obert, R. E. Oliver, S. A. Harrison, A. Ibrahim, J. M. Marshall, K. J. Miclaus, G. Hu, and E. W. Jackson, 2013: Genetic dissection of grain beta-glucan and amylose content in barley (*Hordeum vulgare* L.). *Mol. Breeding* 31: 1 - 25.
41. Islamovic, E., D. E. Obert, R. E. Oliver, J. M. Marshall, K.J. Miclaus, A. Hang, S. Chao, G. Lazo, S. Harrison, A.M.H. Ibrahim, E. N. Jellen, P. J. Maughan, R. H. Brown and E. W. Jackson. 2013. A new genetic linkage map of barley (*Hordeum vulgare* L.) facilitates genetic dissection of height and spike length and angle. *Field Crops Research* 154:91-99.
40. Jondiko, T., L. Novie, D. Hays, A.M.H. Ibrahim, M. Tilley, and J. Awika. 2012. Effect of high molecular weight glutenin allele substations on wheat flour tortilla quality. *Cereal Science* 89:155-161.
39. Jondiko, T.O., L. Yang, D. B. Hays, A. M.H. Ibrahim, M. Tilley, and J. M. Awika. 2016. Prediction of wheat tortilla quality using multivariate modeling of kernel, flour, and dough properties. *Innovative Food Science and Emerging Technologies* 34: 9-15.
38. Johnson, Jerry W., Z. Chen, James W. Buck, G.D. Buntin, Md A. Babar, Richard E. Mason, Stephen A. Harrison, J. Paul Murphy, Amir M. H. Ibrahim, Russell L. Sutton, Bryan E. Simoneaux, Harold E. Bockelman, Byung-Kee Baik, David Marshall, Christina Cowger, Gina L. Brown-Guedira, James A. Kolmer, Yue Jin, X. Chen, Sue E. Cambron and Mohamed Mergoum. 2017. 'GA 03564-12E6': A High-Yielding Soft Red Winter Wheat Cultivar Adapted to Georgia and the Southeastern Regions of the United States. *Journal of Plant Registrations*. doi:10.3198/jpr2016.07.0036crc.
37. Karki, David, Karl D. Glover, Jeff Fahey, Fathi T. Halaweish, and Amir M.H. Ibrahim. 2013. Variability and Heritability of Grain Extracts in Spring and Winter Wheat grown in South Dakota. *J. Crop Improvement*. 27:547-560.
36. Klos, Kathy Esvelt, Belayneh A. Yimer, Ebrahiem M. Babiker, Aaron D. Beattie, J. Michael Bonman, Martin L. Carson, James Chong, Stephen A. Harrison, Amir M.H. Ibrahim, Frederic L. Kolb, Curt A. McCartney, Michael McMullen, Jennifer Mitchell Fetch, Mohsen Mohammadi, J.Paul Murphy, Nicholas A. Tinker. 2017. Genome-wide association mapping of crown rust resistance in oat elite germplasm. *Plant Gen.* Accepted Paper, posted 03/15/2017. doi:10.3835/plantgenome2016.10.0107.
35. Klos, K.E. Y. Huang, W. A. Bekele, D. E. Obert, E. Babiker, A. D. Beattie, Å. Bjørnstad, J. M. Bonman, M. L. Carson, S. Chao, B. N. Gnanesh, I. Griffiths, S. A. Harrison, C. J. Howarth, G. Hu, A. Ibrahim, E. Islamovic, E. W. Jackson, J. L. Jannink, F. L. Kolb, M. S. M., J. M. Fetch, J. P. Murphy, H. W. Ohm, H. W. Rines, B. G. Rosnagel, J. A. Schlueter, M. E. Sorrells, C. P. Wight, W. Yan, and N. A. Tinker. 2016. Population genomics related to adaptation in elite oat germplasm. *Plant Genome* Volume 9. doi: 10.3835/plantgenome2015.10.0103.
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33. Langham, M. A. C., Doxtader, D.C, Haley, S.D., Kalsbeck, S., Little, R.S., and Ibrahim, A.M.H. 2001. Yield and growth reductions in winter wheat infected with wheat streak mosaic virus. *Phytopathology* 91:52.
32. Liu, D., Y. Yen and A.M. Ibrahim. 2003. Screening elite South Dakota winter wheat for SSR markers linked to *Fusarium* head blight resistance. *Proc. SD Acad. Sci.* 82:19-25.

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29. Liu, Xiuwei, S. Feakins, X. Dong, Q. Xue, T. Marek, D. Leskovar, C. Neely, and A.M.H. Ibrahim. 2017. Experimental study of leaf wax n-alkane response in winter wheat cultivars to drought conditions. *Organic Geochemistry* (Accepted).
28. M.P. Reynolds, R.P. Singh, A. Ibrahim, O.A.A Ageeb, A. Larque-Saavedra, and J.S. Quick. 1998. Evaluating physiological traits to complement empirical selection for wheat in warm environments. *Euphytica* 100:85-94.
27. Malla, S., A.M.H. Ibrahim, and K.D. Glover. 2009. Diallel analysis of Fusarium head blight resistance in wheat. *Journal of Crop Improvement.* 23:213-234.
26. Malla, S., A.M.H. Ibrahim, K.D. Glover and W. A. Berzonsky. 2010. Combining Ability of Fusarium head blight resistance in wheat. *Commun. Biometry Crop Sci* 5:116-126.
25. Malla, S., A.M.H. Ibrahim, Kalsbeck, R. Little, C. Ren, and K. Glover. 2010. Comparison of Shifted Multiplicative Model, Rank Correlation, and Biplot Analysis for Clustering Winter Wheat Environments. *Euphytica* 174:357–370.
24. Malla, S., A.M.H. Ibrahim, Y. Yen, K.D. Glover, and W.A. Berzonsky. 2011. Association of Fhb1 and Qfhs.ifa-5A in Spring Versus Winter Growth Habits in Bread Wheat (*Triticum aestivum* L.). *Journal of Agricultural Science* 4:39-48.
23. Malla, S., A.M.H. Ibrahim, Y. Yen, W. Berzonsky, K.D. Glover, and J. Stein. 2010. Quantitative Trait Loci Analysis of Novel Fusarium Head Blight Resistance in Tokai 66. *Am. J. Agri. & Biol. Sci.* 5:62-69.
22. Malla, S., A.M.H. Ibrahim, Y. Yen, W.A. Berzonsky and J. Stein. 2010. QTL Analysis of Novel FHB Resistance in SD97060. *International Journal of Plant Breeding* 4: 47-54.
21. Mason, R.E., Johnson, J. W., Mergoum, M., Miller, R.G., Moon., D.E., Carlin, J., Harrison, S.A., Babar, M.A., Murphy, P., Ibrahim, A.M.H., Sutton, R., and Blount, A.R. 2017. AR11LE24 is a soft red winter wheat adapted to the mid-south region of the United States. *Journal of Plant Registrations* (Accepted).
20. Mason, R.E., D.B. Hays, S. Mondal, A.M.H. Ibrahim, and B.R. Basnet. 2013. QTL for yield, yield components and canopy temperature depression in wheat under late sown field conditions. *Euphytica* 194:243-259.
19. Mason, R.E., S. Mondal, F.W. Beecher, A. Pacheco, B. Jampala, A.M.H. Ibrahim, D.B. Hays. 2010. QTL associated with heat susceptibility index in wheat (*Triticum aestivum* L.) under short-term reproductive stage heat stress. *Euphytica* 174: 423-436.
18. Meeks, M., S. Murray, S. Hague1, D. Hays, and A.M.H. Ibrahim. 2012. Genetic variation for maize epicuticular wax response to drought stress at flowering. *J. Agronomy & Crop Science* 198:161-172.
17. Mohammed, Suheb, T. Huggins, F. Beecher, C. Chick, S. Mondal, A. Paudel, AMH. Ibrahim, M. Tilley, and D.B. Hays. 2017. The Role of Leaf Epicuticular Wax in the Adaptation of Wheat

(*Triticum aestivum* L.) to High Temperatures and Moisture Deficit Conditions. *Crop Science* (Accepted).

16. Ng, E. H., K. Jernigan, W. Smith, E. Hequet, J. Dever, S. Hague and A. M. H. Ibrahim. 2013. Stability analysis of upland cotton in Texas. *Crop Sci.* 53: 1347-1355, 2013.
15. Oliver, R.E., Tinker, N.A., Lazo, G.R., Chao, S., Jellen, E.N., Carson, M.L., Rines, H.W., Obert, D.E., Lutz, J.D., Shackelford, I., Korol, A.B., Wight, C.P., Gardner, K.M., Hattori, J., Beattie, A.D., Bjørnstad, A., Bonman, J.M., Jannink, J.-L., Sorrells, M.E., Brown-Guedira, G.L., Mitchell Fetch, J.W., Harrison, S.A., Howarth, C.J., Ibrahim, A., Kolb, F.L., McMullen, M.S., Murphy, J.P., Ohm, H.W., Rossnagel, B.G., Yan, W., Miclaus, K.J., Hiller, J., Maughan, P.J., Redman Hulse, R.R., Anderson, J.M., Islamovic, E. and Jackson, E.W. 2013. SNP discovery and chromosome anchoring provide first physically-anchored hexaploid oat map and reveal synteny with model species. *PLoS ONE*, 8, e58068.
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13. Pillai, T.R., W. Yan, H. A. Agrama, A.M.H. Ibrahim, T. J. Gentry, R. H. Loeppert. 2010. Total grain-arsenic and arsenic-species concentration in diverse rice cultivars under flooded conditions. *Crop Sci.* 50:2065-2075.
12. Rasul, G., K.D. Glover, P.G. Krishnan, J. Wu, W.A. Berzonsky, and A.M.H. Ibrahim. 2015. Additive-dominance genetic model analyses for late-maturity alpha-amylase activity in a bread wheat factorial crossing population. *Genetica* DOI 10.1007/s10709-015-9864-z.
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### Honors and Awards

1. Texas A&M AgriLife Fellow, 2017
2. Soil and Crop Sciences Department, Texas A&M - Teaching Award, 2017
3. Texas A&M College of Agriculture and Life Sciences Dean's Award – International Impact, 2017
4. CSSA Fellow, 2017
5. Texas A&M College of Agriculture and Life Sciences Dean's Award – Multidisciplinary Team, 2015
6. Texas A&M Technology Commercialization Team Innovation Award, 2013
7. Texas A&M Vice Chancellor's Team Award, 2013
8. Soil and Crop Sciences Department, Texas A&M - Individual Achievement Research Award, 2013
9. 2010 Recognized for outstanding service to Texas agriculture and to the Texas Plant Protection Association as President for Texas Plant Protection Association, 2010
10. 2005 – Wheat Quality Council “Best of Show” (awarded for the highest quality wheat entered into the 2005 Wheat Quality Council trials, Kansas City, Missouri)
11. 1998 - Takumi Tsuchiya Graduate Achievement Award, Colorado State University
12. 1992- 1994 - Royal Government of the Netherlands Scholarship