Curriculum Vitae

Guorong Zhang
Professor
Wheat Breeding and Genetics
Agricultural Research Center-Hays
Kansas State University
1232 240th Ave, Hays, KS 67601
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Education:

May 2003 ~ May 2007
Doctor of Philosophy in Plant Breeding and Genetics
Department of Plant Sciences, North Dakota State University, Fargo, ND
Dissertation title: *Kernel shattering and its relationship with Fusarium head blight and other traits in wheat*

Sept. 1998 ~ Aug 2001
Master of Science in Genetics
Department of Biology, Zhejiang University, Hangzhou, China
Thesis title: *Studies on heredity, growth and development, physio-biochemistry of albino-lemma barley*

Sept. 1990 ~ July 1994
Bachelor of Agriculture in Agronomy, Specialization of Seed Science
Department of Agronomy, Zhejiang Agricultural University, Hangzhou, China
Thesis title: *Studies on heterosis of barley hybrids of karyocytoplasmic interaction type*

Professional Experience:

July 2022 ~ present
Professor, Kansas State University, Manhattan, KS
Research area: Wheat breeding and genetics

July 2017 ~ June 2022
Associate Professor, Kansas State University, Manhattan, KS
Research area: Wheat breeding and genetics

Feb. 2012 ~ June 2017
Assistant Professor, Kansas State University, Manhattan, KS
Research area: Wheat breeding and genetics

June 2010 ~ Jan. 2012
Assistant Professor, Tennessee State University, Nashville, TN
Research area: Biofuel crop breeding and genetics

June 2007 ~ June 2010
Postdoc Research Associate, Michigan State University, East Lansing, MI
Research areas: ~ Genetic mapping for soybean aphid-resistance genes
~ Soybean breeding and genetics
~ QTL mapping for fruit size and quality traits in sweet cherry

May 2003 ~ May 2007
Graduate Research Assistant, North Dakota State University, Fargo, ND
Research area: ~ Kernel shattering, *Fusarium* head blight, and other agronomic traits in hard red spring wheat
~ Wheat breeding and genetics

Sept. 1997 ~ April 2003
Research Assistant Professor & **Barley Breeder**, Shanghai Academy of Agricultural Sciences, China
Research area: Barley breeding and genetics

Aug. 1994 ~ Aug. 1997
Research Associate, Shanghai Academy of Agricultural Sciences, China
Research area: Barley breeding and genetics

Teaching Experience:

June 2010 ~ Feb. 2012, Tennessee State University

- Taught **Principles of Crop Science**, AGSC3210, 2011 Fall term
- Taught **Plant Breeding**, AGSC5190, 2011 Spring term
- Jointly taught **Plant Breeding**, AGSC4310, 2010 Fall term

June 2007 ~ May 2010, Michigan State University

- Jointly taught **Quantitative Genetics in Plant Breeding**, CSS941, 2008 & 2010 Spring terms
- Jointly taught **Molecular Plant Breeding,** short course for international visiting scholars, 2009 Summer term
- Provided research supervision to 10+ high school interns, undergraduate and graduate students, and visiting scholars

June 1995 ~ May 2003, Shanghai Academy of Agricultural Sciences

- Provided research supervision to 20+ undergraduate students during their thesis project research

Awards and Honors:

2016 Team Award, College of Agriculture, K-State
2010 Travel award for attending the Grantsmanship Workshop sponsored by National Institute of Food and Agriculture, USDA
2006 Honor Society of Agriculture, Gamma Sigma Delta

Variety Development:

Released Wheat Varieties (11)

- Oakley CL
- Joe
- Tatanka
- KS Venada
- KS Dallas
- KS Western Star
- KS Silverado
- KS Hamilton
- KS Territory
- KS Big Bow
- KS Bill Snyder

Released Wheat Germplasm Line (1)

- KS05HW14

Co-released Wheat Varieties (11)

- KanMark
- Hot Rod
- Larry
- Zenda
- Bob Dole
- AG Icon
- AM Cartwright
- KS Hatchet
- KS Ahearn
- KS Providence
- KS Maco

Co-released Wheat Germplasm Line (1)

- KS17WGRC62

Released Barley Varieties (2)

- Humai 14
- Humai 16

Co-released Barley Variety (1)

- NB15420

Publications:

U.S. Patent (1)

- Markers for aphid resistant germplasm in soybean plants. 2012. Patent No. US8227662.

Plant Variety Protection Certificate (16)

- Wheat, “KS Hamilton”, Certificate No. 202100368.
- Wheat, “AM Cartwright”, Certificate No. 202100489.
- Wheat, “KS Hatchett”, Certificate No. 202100488.
- Wheat, “KS Silverado”, Certificate No. 202000289.
- Wheat, “KS Western Star”, Certificate No. 202000288.
- Wheat, “KS Dallas”, Certificate No. 202000287.
- Wheat, “KS Venada”, Certificate No. 201900192.
- Wheat, “AG Icon”, Certificate No. 201900179.
- Wheat, “Bob Dole”, Certificate No. 201900177.
- Wheat, “Zenda”, Certificate No. 201700282.
- Wheat, “Larry”, Certificate No. 201700281.
- Wheat, “Tatanka”, Certificate No. 201700131.
- Wheat, “Joe”, Certificate No. 201600082.
- Wheat, “KanMark”, Certificate No. 201500379.
- Wheat, “Hot Rod”, Certificate No. 201500380.
- Wheat, “Oakley CL”, Certificate No. 201400132.

Refereed Journal Articles (79)

1 **Zhang G.**, A.K. Fritz, Y. Li, G. Bai, R.L. Bowden, M.S. Chen, J. Rupp, and Y. Jin. 2023. Registration of ‘KS Big Bow’ hard white winter wheat. Journal of Plant Registrations. In Print.

2 Xu Y., Y. Li, R. Bian, **G. Zhang**, A.K. Fritz, Y. Dong, L. Zhao, Y. Xu, N. Ghori, A. Bernardo, P. St. Amand, J.L.S. Rupp, M. Bruce, W. Wang, E. Akhunov, B. Carver, and G. Bai. 2023. Genetic architecture of quantitative trait loci (QTL) for FHB resistance and agronomic traits in a hard winter wheat population. The Crop Journal. 11 (6):1836-1845.

3 Guttieri M.J., Bowden R.L., **Zhang G.**, Haley S., Frels K., Hein G.L., Jordan K.W. 2023. Agronomic and Quality Impact of a Shortened Translocation for Wheat Streak Mosaic Virus Resistance. Crop Science. https://doi.org/10.1002/csc2.20876

4 Mustahsan W., Guttieri M.J., Bowden R.L., Garland-Campbell K., Jordan K., Bai G., and **Zhang G.** 2023. Mapping the Quantitative Field Resistance to Stripe Rust in a Hard Winter Wheat Population ‘Overley’ × ‘Overland’. Crop Science. https://doi.org/10.1002/csc2.20977

5 Bian R., Liu N., Xu Y., Su Z., Cai L., Bernardo A.E., St Amand P.C., Fritz A., **Zhang G.**, Rupp J., Akhunov E., Jordan K., and Bai G. 2023. Quantitative trait loci for rolled leaf trait in a wheat EMS mutant from Jagger. Journal of Theoretical and Applied Genetics. DOI: 10.1007/s00122-023-04284-3. https://doi.org/10.1007/s00122-023-04284-3.

6 Nkurikiye E., G. Chen, M. Tilley, X. Wu, **G. Zhang**, A. Fritz, and Y. Li. 2023. Incorporating chickpea flour can enhance mixing tolerance and dough strength of wheat flour. Cereal Chemistry. https://doi.org/10.1002/cche.10705.

7 Wardah M., M.J. Guttieri, R. Bowden, K. Garland-Campbell, K.W. Jordan, G. Bai, **G. Zhang**. 2023. Mapping the quantitative field resistance to stripe rust in a hard winter wheat population "Overley" × "Overland". Crop Science. 63: 2050-2066.

8 Guttieri M., R. Bowden, **G. Zhang**, S. Haley, K. Frels, G. Hein, and K. Jordan. 2022. Agronomic and quality impact of a shortened translocation for wheat streak mosaic virus resistance. Crop Science. DOI:10.1002/csc2.20876. https://doi.org/10.1002/csc2.20876

9 **Zhang G.**, T.J. Martin, A.K. Fritz, Y. Li, B.W. Seabourn, R.Y. Chen, G. Bai, R.L. Bowden, M.S. Chen, J. Rupp, Y. Jin, X. Chen, J.A. Kolmer, and D. Marshall. 2022. Registration of 'KS Hamilton' hard red winter wheat. Journal of Plant Registrations. 16:73-79.

10 Lopez S.R., A.T. Wiersma, N.M. Strauss, T. Watkins, B. Baik, **G. Zhang**, S.K. Sehgal, F.L. Kolb, J.A. Poland, R.E. Mason, A.H. Carter, and E.L. Olson. 2022. Description of U6719-004 wheat germplasm with YrAS2388R stripe rust resistance introgression from *Aegilops tauschii*. Journal of Plant Registrations. https://doi.org/10.1002/plr2.20226.

11 Tian W., Y. Zheng, W. Wang, D. Wang, M. Tilley, **G. Zhang**, Z. He, Y. Li. 2022. A comprehensive review of wheat phytochemicals: From farm to fork and beyond. Comprehensive Review in Food Science and Food Safety. 21:2274-2308.

12 Du Z., W. Tian, M. Tilley, D. Wang, **G. Zhang**, and Y. Li. 2022. Quantitative assessment of wheat quality using near-infrared spectroscopy: A comprehensive review. Comprehensive Review in Food Science and Food Safety. 21:2956-3009.

13 **Zhang G.**, R.Y. Chen, M. Shao, G. Bai, and B.W. Seabourn. 2021. Genetic analysis of end-use quality traits in wheat. Crop Science. 61:1709-1723. https://doi.org/10.1002/csc2.20411.

14 Zhang-Biehn S., A.K. Fritz, **G. Zhang**, R.A. Miller, and J. Poland. 2021. Accelerating wheat breeding for end-use quality through association mapping and multivariate genomic prediction. The Plant Genome. Accepted on Aug. 23, 2021.

15 Tian W., G. Chen, **G. Zhang**, D. Wang, M. Tilley, and Y. Li. 2021. Rapid determination of total phenolic content of whole wheat flour using near-infrared spectroscopy and chemometrics. Food Chemistry. 344. https://doi.org/10.1016/j.foodchem.2020.128633.

16 Tian W., G. Chen, Y. Gui, **G. Zhang**, and Y. Li. 2021. Rapid quantification of total phenolics and ferulic acid in whole wheat using UV–Vis spectrophotometry. Food Control. 123. https://doi.org/10.1016/j.foodcont.2020.107691.

17 Zhang P., M Tilley, G. Bai, S. Harmer, S. Duke, B.W. Seabourn, and **G. Zhang**. 2021. Effect of wheat quality traits and glutenin composition on tortilla quality from the USDA Southern Regional Performance Nursery. Cereal Chemistry. 00:1-11. DOI: 10.1002/cche.10475.

18 **Zhang G.**, T.J. Martin, A.K. Fritz, R.L. Bowden, Y. Li, G. Bai, M.S. Chen, Y. Jin, X. Chen, J.A. Kolmer, B.W. Seabourn, R.Y. Chen, and D. Marshall. 2021. Registration of 'KS Silverado' hard white winter wheat. Journal of Plant Registrations. 15:147-153. DOI: 10.1002/plr2.20106.

19 **Zhang G.**, A.K. Fritz, S.D. Haley, Y. Li, G. Bai, R.L. Bowden, M.S. Chen, Y. Jin, X. Chen, J.A. Kolmer, B.W. Seabourn, R.Y. Chen, and D. Marshall. 2021. Registration of 'KS Western Star' hard red winter wheat. Journal of Plant Registrations. 15:140-146. DOI: 10.1002/plr2.20104.

20 **Zhang G.**, T.J. Martin, A.K. Fritz, Y. Li, G. Bai, R.L. Bowden, M.S. Chen, Y. Jin, X. Chen, J.A. Kolmer, B.W. Seabourn, R.Y. Chen, and D. Marshall. 2021. Registration of

'KS Dallas' hard red winter wheat. Journal of Plant Registrations. 15:154-160. DOI: 10.1002/plr2.20108.

21 **Zhang G.**, T.J. Martin, A.K. Fritz, R. Miller, G. Bai, M.S. Chen, R.L. Bowden, Y. Jin, X. Chen, J.A. Kolmer, and B.W. Seabourn. 2020. Registration of 'KS Venada' hard white winter wheat. Journal of Plant Registrations. 14:153-158. DOI:10.1002/plr2.20026.

22 Munaro, L., T. Hefley, E. DeWolf, S.D. Haley, A.K. Fritz, **G. Zhang**, L. Haag, A. Schlegel, J. Edwards, D. Marburger, P. Alderman, S. Jones-Diamond, J. Johnson, J. Lingenfelser, S. Unêda-Trevisoli, and R. Lollato. 2020. Exploring long-term variety performance trials to improve environment-specific genotype × management recommendations: A case-study for winter wheat. Field Crops Research. 255. 107848. 10.1016/j.fcr.2020.107848.

23 Bastos, L.M., W. Carciochi, R.P. Lollato, B.R. Jaenisch, C.R. Rezende, R. Schwalbert, P.V. Vara Prasad, **G. Zhang,** A.K. Fritz, C. Foster, Y. Wright, S. Young, P. Bradley, and I.A. Ciampitti. 2020. Winter wheat yield response to plant density as a function of yield environment and tillering potential: A review and field studies. Frontiers in Plant Science, 11, 54. https://doi.org/10.3389/fpls.2020.00054

24 Kumssa T.T., J.S. Rupp, M.C. Fellers, J.P. Fellers, and **G. Zhang***. 2019. An isolate of Wheat streak mosaic virus from foxtail overcomes Wsm2 resistance in wheat. Plant Pathology. Doi: 10.1111/ppa.12989. (*: Corresponding author).

25 Alipour H., G. Bai, **G. Zhang**, M.R. Bihamta, V. Mohammadi, and S.A. Peyghambari. 2019. Imputation accuracy of wheat genotyping-by- sequencing (GBS) data using barley and wheat genome references. PLoS One. 14(1): e0208614. https://doi.org/10.1371/journal.pone.0208614

26 Peng B., X. Liu, X. Dong, Q. Xue, C.B. Neely, T. Marek, A.M. Ibrahim, **G. Zhang**, D.I. Leskovar, and J.C. Rudd. 2019. Root morphological traits of winter wheat under contrasting environments. Journal of Agronomy and Crop Science. https://doi.org/10.1111/jac.12360

27 Lin M., S. Liu, G. Zhang, and G. Bai. 2018. Effects of TaPHS1 and TaMKK3-A genes on wheat pre-harvest sprouting resistance. Agronomy. 8: article # 210. https://doi.org/10.3390/agronomy8100210.

28 **Zhang G.** and Z. Hua. 2018. Genome comparison implies the role of *Wsm2* in membrane trafficking and protein degradation. PeerJ. DOI 10.7717/peerj.4678.

29 Shao M., G. Bai, T.W. Rife, J. Poland, M. Lin, S. Liu, H. Chen, T. Kumssa, A. Fritz, H. Trick, Y. Li, and **G. Zhang***. 2018. QTL mapping of pre-harvest sprouting resistance in a white wheat cultivar Danby. Theoretical and Applied Genetics. https://doi.org/10.1007/s00122-018-3107-5 (*: Corresponding author).

30 Wiersmaa A.T., R.B. Whettenb, **G. Zhang**, S.K. Sehgald, F.L. Kolbe, J.A. Polandf, R.E. Masong, A.H. Carterh, C. Cowgerbi, and E.L. Olson. 2018. Registration two wheat germplasm lines fixed for Pm58. Journal of Plant Registrations. doi:10.3198/jpr2017.06.0036crg.

31 Assanga S.O., M. Fuentealba, **G. Zhang**, C. Tan, S. Dhakal, J.C. Rudd, A.M.H. Ibrahim, Q. Xue, S. Haley, J. Chen, S. Chao, J. Baker, K. Jessup, and S. Liu. 2017. Mapping of quantitative trait loci for grain yield and its components in a US popular winter wheat TAM 111 using 90K SNPs. PLoS One. 21 pages. https://doi.org/10.1371/journal.pone.0189669.

32 **Zhang G.**, T.J. Martin, A.K. Fritz, R. Miller, G. Bai, M.S. Chen, and R.L. Bowden. 2017. Registration of 'Tatanka' hard red winter wheat. Journal of Plant Registrations. doi:10.3198/jpr2017.04.0019crc.

33 Alipour H., M.R. Bihamta, V. Mohammadi, S.A. Peyghambari, G. Bai, and **G. Zhang*.** 2017. Genotyping-by-Sequencing (GBS) revealed molecular genetic diversity of Iranian wheat landraces and cultivars. Frontiers in Plant Science. 8: 1293. doi: 10.3389/fpls.2017.01293. (*Corresponding author)

34 Lu Y., R.L. Bowden**, G. Zhang**, X. Xu, A.K. Fritz, and G. Bai. 2017. Quantitative trait loci for slow-rusting resistance to leaf rust in doubled haploid wheat population CI13227 x Lakin. Phytopathology. 107: 1372-1380.

35 Danilova T.V., **G Zhang**, W. Liu, B. Friebe, and B.S. Gill. 2017. Homoeologous recombination-based transfer and molecular cytogenetic mapping of a wheat streak mosaic virus and Triticum mosaic virus resistance gene *Wsm3* from *Thinopyrum* intermedium to wheat. Theoretical and Applied Genetics. 130:549-556.

36 Chuang W., L.M.A. Rojas, L.K. Khalaf, **G. Zhang**, A.K. Fritz, A.E. Whitefield, and C.M. Smith. 2016. Wheat genotypes with combined resistance to wheat curl mite, wheat streak mosaic virus, wheat mosaic virus and *Triticum* mosaic virus. Journal of Economic Entomology. DOI:10.1093/jee/tow255.

37 Lin M., D. Zhang, S. Liu, **G. Zhang**, J. Yu, A.K. Fritz, and G. Bai. 2016. Genome-wide association analysis on pre-harvest sprouting resistance and grain color in U.S. winter wheat. BMC Genomics. DOI:10.1186/s12864-016-3148-6.

38 Assanga S., **G. Zhang**, C.T. Tan, J. Rudd, A. Ibrahim, Q. Xue, D. Hays, S. Chao, M. Fuentealba, and S. Liu. 2016. Saturated genetic mapping of wheat streak mosaic virus resistance gene *Wsm2* in wheat. Crop Science. DOI:10.2135/cropsci2016.04.0233.

39 Tan C., S. Assanga, **G. Zhang**, S.D. Haley, J. Rudd, Q. Xue, G. Bai, X. Zhang, P. Byrne, M. Fuentealba, and S. Liu. 2016. Development and validation of single nucleotide polymorphism markers for wheat streak mosaic virus resistance gene *Wsm2*. Crop Science. DOI:10.2135/cropsci2016.04.0234.

40 Cai J., S. Wang, T. Li, **G. Zhang**, and G. Bai. 2016. Multiple minor QTLs responsible for *Fusarium* head blight resistance in a Chinese wheat landrace Haiyanzhong. PLOS ONE. DOI: 10.1371/journal.pone.0163292.

41 Kumssa T.T., D. Zhao, G. Bai, and **G. Zhang***. 2016. Resistance to Wheat streak mosaic virus and *Triticum* mosaic virus in wheat lines carrying *Wsm1* and *Wsm3*. European Journal of Plant Pathology. DOI:10.1007/s10658-016-1021-8. (*Corresponding author).

42 **Zhang G.***, T.J. Martin, A.K. Fritz, R. Miller, M.S. Chen, R.L. Bowden, and G. Bai. 2016. Registration of 'Joe' hard white winter wheat. Journal of Plant Registrations. 10. DOI:10.3198/jpr2016.03.0017crc. (*Corresponding author).

43 Grogan S.M., J. Anderson, P.S. Baenziger, K. Frels, M.J. Guttieri, S.D. Haley, K. Kim, S. Liu, G.S. McMaster, M. Newell, P.V.V. Prasad, S.D. Reid, K.J. Shroyer, **G. Zhang**, E. Akhunov, and P.F. Byrne. 2016. Phenotypic plasticity of winter wheat heading date and grain yield across the U.S. Great Plains. Crop Science. 56:2223-2236.

44 Su Z., S. Jin, Y. Lu, **G. Zhang**, S. Chao, and G. Bai. 2016. Single nucleotide polymorphism tightly linked to a major QTL on chromosome 7A for both kernel length and kernel weight in wheat. Molecular Breeding. 36(15). DOI:10.1007/s11032-016-0436-4.

45 Parikh L., M.T. Mmbaga, S. Kodati, and **G. Zhang**. 2016. Estimation of narrow sense heritability of powdery mildew resistance in pseudo F2 (F1) population of flowering dogwoods (*cornus Florida* L). European Journal of Plant Pathology. 145:17-25. DOI:10.1007/s10658-015-0806-5.

46 Zhang X., G. Bai, R. Xu, and **G. Zhang***. 2016. Wheat Streak Mosaic Virus Resistance in Eight Wheat Germplasm Lines. Plant Breeding. 135:26-30. (*Corresponding author).

47 **Zhang G.***, R. Aiken, and T.J. Martin. 2015. Relationship between carbon isotope discrimination and grain yield of rainfed winter wheat in a semi-arid region. Euphytica. 204:39-48. (*Corresponding author).

48 Liu Z., I. El-Basyoni, G. Kariyawasm, **G. Zhang**, A. Fritz, J. Hansen, F. Marais, A. Friskop, S. Chao, E. Akhunov, and P.S. Bazenziger. 2015. Evaluation and association mapping of resistance to tan spot and Stagonospora nodorum blotch in adapted winter wheat germplasm. Plant Disease. 99:1331-1341. DOI:10.1094/PDIS-11-14-1131-RE.

49 Lin M., S. Cai, S. Wang, S. Liu, **G. Zhang**, and G. Bai. 2015. Genotyping-by-sequencing (GBS) identified SNP tightly linked to QTL for pre-harvest sprouting resistance. Theoretical and Applied Genetics. 128:1385-1395.

50 **Zhang G.***, T.J. Martin, A.K. Fritz, R. Miller, and M.S. Chen, R.L. Bowden, and J.J. Johnson. 2015. Registration of 'Oakley CL' wheat. Journal of Plant Registrations. 9:190-195. (*Corresponding author).

51 **Zhang G.***, D.L. Seifers, and T.J. Martin. 2014. Inheritance of Wheat Streak Mosaic Virus Resistance in KS03HW12. Austin Journal of Plant Biology. 1:1-4. (*Corresponding author).

52 Martin T.J., **G. Zhang***, A.K. Fritz, R. Miller, and M.S. Chen. 2014. Registration of 'Clara CL' wheat. Journal of Plant Registrations. 8:38-42. (*Corresponding author)

53 Martin T.J., **G. Zhang***, A.K. Fritz, R. Miller, and M.S. Chen. 2013. Registration of 'Tiger' wheat. Journal of Plant Registrations. 7:201-204. (*Corresponding author)

54 Seifers D., S. Haber, T.J. Martin, and **G. Zhang**. 2013. New sources of Temperature-sensitive resistance in wheat to wheat streak mosaic virus. Plant Disease. 97:1051-1056.

55 **Zhang G.**, C. Gu, and D. Wang. 2013. Mapping and validation of a gene for soybean aphid resistance in PI 567537. Molecular Breeding. 32:131-138.

56 Bales C., **G. Zhang**, M. Liu, C. Mensah, C. Gu, Q. Song, D. Hyten, P. Cregan, and D. Wang. 2013. Mapping soybean aphid resistance genes in PI 567598B. Theoretical and Applied Genetics. 126:2081-2091.

57 Umesh R.R., C.A.M.B. Marco, E. van de Weg, **G. Zhang**, D. Wang, A. Sebolt, E. Dirlewanger, J. Quero-Garcia, M. Schuster, and A.F. Iezzoni. 2013. Fruit size QTL identification and the prediction of parental QTL genotypes and breeding values in multiple pedigreed populations of sweet cherry. Molecular Breeding. 32:875-887.

58 Zhang Z., J. Hao, J. Yuan, Q. Song, D.L. Hyten, P.B. Cregan, **G. Zhang**, C. Gu, M. Ling, and D. Wang. 2014. Phytophthora root rot resistance in Soybean E00003. Crop Science. 54:492-499.

59 **Zhang G.**, C. Gu, and D. Wang. 2010. A novel gene for soybean aphid resistance in PI 567543C. Theoretical and Applied Genetics. 120:1183-1191.

60 **Zhang G.**, A.M. Sebolt, S.S. Sooriyapathirana, D. Wang, M.C.A.M. Bink, J.W. Olmstead, and A. Iezzoni. 2010. Fruit size QTL analysis of an F1 population derived from a cross between a domesticated sweet cherry cultivar and a wild forest sweet cherry. Tree Genetics & Genomes. 6:25-36.

61 **Zhang G.**, M. Mergoum, S. Kianian, D.W. Meyer, S. Simsek, and P.K. Singh. 2009. Genetic relationship and QTL association between kernel shattering and agronomic traits in wheat. Crop Science. 49:451-458.

62 **Zhang G.**, C. Gu, and D. Wang. 2009. Molecular mapping of soybean aphid resistance genes in PI 567541B. Theoretical and Applied Genetics. 118:473-481.

63 **Zhang G.** and M. Mergoum. 2007. Molecular mapping of kernel shattering and its association with Fusarium head blight resistance in a Sumai3 derived population. Theoretical and Applied Genetics. 115:757-766.

64 **Zhang G.** and M. Mergoum. 2007. Developing evaluation methods for kernel shattering in spring wheat. Crop Science 47:1841-1850.

65 **Zhang G.** and P. Huang. 2002. Study on the microstructure of albino-lemma barley with electronic microscope. Acta Agriculture Shanghai. 18(3):39-42. (in Chinese)

66 **Zhang G.**, X. Lu, Y. Du, L. Yu, and P. Huang. 2001. The characteristics of new feed barley line 97-117 and its key cultivation techniques. Barley Science. 3:38-39. (in Chinese)

67 **Zhang G.** and M. Mao. 2000. Progress on waterlogging research in barley. Barley Science. 4:7-9. (in Chinese)

68 **Zhang G.**, H. Lin, L. Yu, and Y. Du. 2000. Genetic analysis of albino-lemma barley. Acta Agriculture Shanghai. 16(1): 20-22. (in Chinese)

69 **Zhang G.**, J. Ma, Y. Du, L. Yu, and P. Huang. 1996. Preliminary studies on heterosis of barley hybrids of karyocytoplasmic interaction type. Acta Agriculture Shanghai. 12(4): 5-8. (in Chinese)

70 Yu L., **G. Zhang**, Y. Du, and P. Huang. 2000. Characteristics of new malting barley variety Humai 16 and its key cultivation techniques. Barley Science. 2:13-15. (in Chinese)

71 Fan S., J. Li, **G. Zhang**, X. Zhu, and F. Cao. 2002. Sifting of protein-rich, lysine-rich barley and analyses of genetic distance. Acta Agriculture Shanghai. 18(1):29-34. (in Chinese)

72 Du Y., R. Chen, **G. Zhang**, L. Yu, P. Huang, and X. Lu. 2001. Effects of malt extract on barley anther culture. Acta Agriculture Shanghai. 17(1):27-30. (in Chinese)

73 Du Y., R. Chen, **G. Zhang**, G. Qin, L. Yu, P. Huang, and J. Ma. 1998. A study on effects of malt extract, met and other factors on anther culture of barley. Acta Agriculture Shanghai. 14(2):85-88. (in Chinese)

74 Du Y., R. Chen, **G. Zhang**, P. Huang, J. Ma, and C. Li. 1996. Selection and breeding of "three lines" in hybrid barley by anther culture. Acta Agriculture Shanghai. 12(2):10-12. (in Chinese)

75 Mao W., Y. Xu, **G. Zhang**, J. Li, Y. Liu, and X. Lu. 2003. Analyses on the hereditary stability of protein content and quality variation in barley seeds by introducing exogenous soybean DNA. Seed. 6:6-9. (in Chinese)

76 Du Y., R. Chen, G. Qi, **G. Zhang**, L. Yu, J. Ma, and P. Huang. 1997. Effects of air temperature, ABT, and other factors on anther culture of barley. Acta Agriculture Shanghai. 13(2):19-22. (in Chinese)

77 Liu Y., J. Li, Y. Xu, **G. Zhang**, W. Mao, and X. Lu. 2003. Improving the Protein Contents and Quality in Barley Seeds by Introducing Exogenous DNA from Soybean. Journal of Shanghai Normal University. 3:62-67. (in Chinese)

78 Gu W., H. Zheng, Y. Zhang, and **G. Zhang**. 2002. Trends in production, demand and scientific researches on vegetable soybean [*Glycine max* (L.) Merr.] at home and abroad. Acta Agriculture Shanghai. 18(2): 45-48. (in Chinese)

79 Ma J., P. Huang, C. Li, Y. Du, R. Chen, and **G. Zhang**. 1995. Selection and breeding for three lines of karyocytoplasmic interaction type male sterility in barley. Acta Agriculture Shanghai. 11(3): 75-78. (in Chinese)

Non-refereed Journal Articles (11)

1 Davis M.A., M.A. Bruce, J.L. Rupp, A.K. Fritz, and **G. Zhang**. 2022. Reaction of Kansas Intrastate Nursery winter wheat accessions to Fusarium head blight, 2020. Plant Disease Management Reports. 16:CF076.

2 Ranabhat N.B., M. Bruce, M.A. Davis, A.K. Fritz, and **G. Zhang**, and J.L. Rupp. 2021. Reaction of selected Kansas winter wheat cultivars to Barley yellow dwarf, 2020. Plant Disease Management Report. 15: CF094.

3 Mangel D.J.L., M.A. Davis, M. Bruce, A.K. Fritz, **G. Zhang**, and J. Rupp. 2020. Reaction of Kansas Interstate Nursery winter wheat accessions to Fusarium head blight, 2019. Plant Disease Management Report. 14: CF090.

4 Ranabhat N.B., M. Bruce, M.A. Davis, A.K. Fritz, and **G. Zhang**, and J. Rupp. 2020. Reaction of selected Kansas winter wheat cultivars to Barley yellow dwarf, 2019. Plant Disease Management Report. 14: CF088.

5 Lollato R., **G. Zhang**, B.R. Jaenisch, R. Maeoka, L. Bonassi, and A.K. Fritz. 2018. Wheat variety response to seeding rate in Kansas during the 2015-16 and 2017-16 growing seasons. Kansas Field Research. 4: article 13.

6 Lollato R., G. Gramer, A.K. Fritz, **G. Zhang**. 2017. Optimum seeding rate for different wheat varieties in Kansas. Kansas Field Research. 3: article 34.

7 Bockus, W.W., **G. Zhang**, A. Fritz, M. Davis, P. Baenziger, and M. Caffe-Treml. 2016. Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to Fusarium head blight (FHB), 2015. Plant Disease Management Reports. 10: CF043

8 Bockus W.W., **G. Zhang**, A. Fritz, M. Davis, P. Baenziger, and M. Caffe-Treml. 2015. Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to Fusarium head blight (FHB), 2014. Plant Disease Management Reports. 9:CF004.

9 Bockus, W.W., P. S. Baenziger, W. Berzonsky, M. Caffe, M.A. Davis, A.K. Fritz, G. Marais, J. Ransom, S.N. Wegulo, and **G. Zhang**. 2014. Hard winter wheat scab nurseries: 2006 to the present. Fusarium Focus 2014. US Wheat & Scab Initiative. 14: 7.

10 Bockus W.W., **G. Zhang**, A.K. Fritz, M.A. Davis, P.S. Baenziger, and W. Berzonsky. 2014. Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to Fusarium head blight (FHB), 2013. Plant Disease Management Reports. 8: CF025.

11 Bockus W.W., P.S. Baenziger, W. Berzonsky, **G. Zhang**, A.K. Fritz, and M.A. Davis. 2013. Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to Fusarium head blight (FHB), 2012. Plant Disease Management Reports. 7: CF019.

Book Chapters (2)

1 Ma J., and **G. Zhang**. 2001. The resistant resource to barley yellow mosaic virus and its utilization. *In*: Sun L. (ed.). Genetic resource and excellent germplasm of barley in China. China Agricultural Science & Technology Press, Beijing, China. (in Chinese)

2 Huang P., and **G. Zhang**. 1999. Conventional breeding in barley. *In*: Zhu M., and P. Huang (eds.). Breeding and bioengineering of barley. Shanghai Scientific & Technical Publisher, Shanghai, China. (in Chinese)

Refereed Conference Proceeding Papers (2)

- Parikh L., S. Kotdati, M.T. Mmbaga, **G. Zhang**. 2014. Inheritance of powdery mildew resistance in flowering dogwoods (*Cornus florida* L.). 2014 SNA Research Conference Proceedings. 59: 188-196.
- **Zhang G.**, M. Mergoum, and R.W. Stack. 2004. Kernel shattering and its relationship with *Fusarium* head blight in spring wheat. *In* Canty S.M., T. Boring, K. Versdahl, J. Wardwell, and R.W. Ward (eds.) Proceedings of the 2nd International Symposium on *Fusarium* head blight. Vol.1:224-226.

Conference Presentations (39)

1 Giordano N., L. Munaro, S. Haley, S. Jones-Diamond, G. Zhang, J.E. Lingenfelser, J.J. Johnson, A. Fritz, and R.P. Lollato. Phenotypic Plasticity of Yield Is a Positive Trait for Winter Wheat in Drought-Prone Environments. Poster abstract. Nov. 6-9, 2022, ASA, CSSA, SSSA International Annual Meeting, Baltimore, MD.

2 Guttieri M.J., R.L. Bowden, **G. Zhang**, S. Haley, K. Frels, G.L. Hein, and K. Jordan. A Shortened Translocation for Wheat Streak Mosaic Virus Resistance: Agronomic and Quality Impact. Poster abstract. Nov. 6-9, 2022, ASA, CSSA, SSSA International Annual Meeting, Baltimore, MD.

3 Yu, S., S. Ocheya, M.P. Fuentealba, J. Awika, A. Ibrahim, J.C. Rudd, Q. Xue, **G. Zhang**, C.T. Tan, J.A. Baker, K. Jessup, H. Yu, L. Garza, and S. Liu. Genetic mapping of end-use quality quantitative trait loci in hard red winter wheat. Poster presentation. Nov. 7-10, 2021, ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT.

4 Yu S., M. Dogan, S. Dhakal, Z. Wang, M. Cerit, J. Valenzuela-Antelo, A. Ibrahim, J. Awika, J. Rudd, Q. Xue, **G. Zhang**, H. Zhang, D. Hays, and S. Liu. Genetic mapping of end-use quality quantitative trait loci in hard red winter wheat. Oral presentation. 1st Virtual Wheat Quality Meeting. Nov. 24-25, 2021.

5 Mustahsan W., M.J. Guttieri, R.L. Bowden, and **G. Zhang**. Mapping stripe rust resistance in Overley x Overland population. 2020 National Association of Plant Breeders Annual Meeting. Aug. 17-20, 2020.

6 Zhang S., A.K. Fritz, **G. Zhang**, R.A. Miller, J. Poland. Accelerating Improvement in Wheat End-Use Quality through Genome-Wide Association Mapping and Genomic Selection. Plant & Animal Genome XXVII. Jan. 12-16, 2019. San Diego, CA, USA.

7 Mustahsan W., M.J. Guttieri, and **G. Zhang**. Updates on 2DL Yield Components. Plant & Animal Genome XXVI. Jan. 13-17, 2018. San Diego, CA, USA.

8 Tatiana V.D., **G. Zhang**, B. Friebe, and B.S. Gill. Homoeologous recombination based transfer and cytogenetic mapping of a wheat streak mosaic virus and Triticum mosaic virus resistance gene Wsm3 from *Thinopyrum intermedium* to wheat. Plant & Animal Genome XXIV. Jan. 8-13, 2016. San Diego, CA, USA.

9 Tan C., S. Assanga, S. Dhakal, J. Rudd, Q. Xue, A. Ibrahim, **G. Zhang**, G. Bai, S. Haley, L. Garza, H. Yu, and S. Liu. Development of high throughput SNPs for host plant

resistance in wheat. Plant & Animal Genome XXIV. Jan. 8-13, 2016. San Diego, CA, USA.

10 Liu S., Tan C., S. Assanga, S. Dhakal, Y. Yang, J. Rudd, Q. Xue, A. Ibrahim, **G. Zhang**, X. Xu, G. Bai, M. Chen, R. Devkota, M. Fuentealba, H. Yu, and L. Garza. Development and Validation of KASP Assays for Pest Resistant Traits in Wheat. 7th International Crop Science Congress. Aug. 14-19, 2016. Beijing, China.

11 Tan C., S. Assanga, S. Dhakal, Y. Yang, J. Rudd, Q. Xue, A. Ibrahim, **G. Zhang**, X. Xu, G. Bai, M. Chen, R. Devkota, M. Fuentealba, H. Yu, L. Garza, and S. Liu. Developing KASP markers for biotic stress tolerances in wheat. 2016 ASA-CSSA-SSSA International Annual Meetings. Nov. 6-9. Phoenix, AZ, USA.

12 Tan C., S. Assanga, S. Dhakal, J. Rudd, Q. Xue, A. Ibrahim, **G. Zhang**, G. Bai, S. Haley, L. Garza, H. Yu, and S. Liu. Development of High Throughput SNPs for Host Plant Resistance in Wheat. Plant & Animal Genome XXIV. Jan. 8-13, 2016. San Diego, CA, USA.

13 Shao M., R. Rife, G. Bai, J. Poland, M.S. Chen, and **G. Zhang***. Molecular mapping of Hessian fly resistance QTL using a wheat doubled haploid population. 2016 National Association of Plant Breeders Annual Meeting. Aug. 15-18. Raleigh, NC, USA. (*Corresponding author)

14 Lin M, Liu S, Zhang G, Yu J, and Bai G. SNP markers linked to wheat pre-harvest sprouting resistance identified in an association study can significantly improve selection efficiency. Plant & Animal Genome XXIV. Jan. 8-13, 2016. San Diego, CA, USA.

15 Shao M., T. Rife, J. Poland, G. Bai, M. Lin, S. Liu, and **G. Zhang***. Characterization of pre-harvest sprouting resistance in a white wheat cultivar Danby. 2015 ASA-CSSA-SSSA International Annual Meetings. Nov. 15-18. Minneapolis, MN, USA. (*Corresponding author)

16 Lin M., **G. Zhang**, S. Liu, S. Chao, and G. Bai. Genomic prediction and marker-assisted selection for wheat resistance to pre-harvest sprouting. 2015 ASACSSA-SSSA International Annual Meetings. Nov. 15-18. Minneapolis, MN, USA.

17 Assanga S., C. Tan, S. Dhakal, J. Rudd, **G. Zhang**, Q. Xue, A. Ibrahim, R. Devkota, S.D. Haley, J. Chen, M. Fuentealba, S. Baker, J. Baker, and S. Liu. Identification of high throughput SNP markers for grain yield, yield components and WSMV resistance in wheat. 2015 ASA-CSSA-SSSA International Annual Meetings. Nov. 15-18. Minneapolis, MN, USA.

18 Tan C., S. Assanga, **G. Zhang**, S. D. Haley, J. Rudd, Q. Xue1, G. Bai, X. Zhang, P. Byrne, M. Fuentealba1, and S. Liu. Development and validation of KASP Markers for marker-assisted selection of *Wsm2* in wheat. 2015 ASA-CSSA-SSSA International Annual Meetings. Nov. 15-18. Minneapolis, MN, USA.

19 Tan, C., S. Assanga, S. Dhakal, S. Liu, J. Rudd, Q. Xue, **G. Zhang**, G. Bai, X. Zhang, and M.P. Fuentealba. Validation and application of diagnostic KASPAR SNP markers for host plant resistance in wheat. 9th International Wheat Conference. Sept. 20-25, 2015. Sydney, Australia.

20 Assanga S., S. Liu, J. Rudd, A. Ibrahim, **G. Zhang**, Q. Xue, D. Hays, R. Devkota, S. Chao, G. Bai, S. Haley, J. Chen, C. Tan, M. Fuentealba, S. Baker, and J. Baker. Identification of high throughput SNP markers linked to QTL for drought tolerance and *Wsm2* gene in US hard red winter wheat and applications in breeding. Plant & Animal Genome XXIII. Jan. 10-14, 2015. San Diego, CA, USA.

21 Tan C., S. Liu, S. Assanga, S. Dhakal, J. Rudd, Q. Xue, **G. Zhang**, G. Bai, X. Zhang, R. Devkota, and M.P. Fuentealba. Development of KASPar SNP markers for host plant resistance to biotic stress in wheat. Plant & Animal Genome XXIII. Jan. 10-14, 2015. San Diego, CA, USA.

22 Aiken R.M., **G. Zhang**, and T.J. Martin. Carbon isotope discrimination, selecting for productivity and water use efficiency in wheat. 2014 ASA-CSSA-SSSA International Annual Meetings. Nov. 2-5. Long Beach, CA, USA.

23 Zhang X., **G. Zhang***, G. Bai, and R. Miller. Effects of high molecular weight glutenin on wheat quality. 2014 ASA-CSSA-SSSA International Annual Meetings. Nov. 2-5. Long Beach, CA, USA. (*Corresponding author)

24 **Zhang G.**, and D. Seifers. Inheritance of wheat streak mosaic virus resistance in KS03HW12. 2013 ASA-CSSA-SSSA International Annual Meetings. Nov. 3-6. Tampa, FL, USA.

25 Assanga S., S. Liu, A.M.H. Ibrahim, J.C. Rudd, Q. Xue, D.B. Hays, R.N. Devkota, **G. Zhang**, and J. Chen. 2013. Identification of SNP markers for drought tolerance in wheat. 2013 ASA-CSSA-SSSA International Annual Meetings. Nov. 3-6. Tampa, FL, USA.

26 Rife T., C. Seaman, **G. Zhang**, T.J. Martin, and J. Poland. Utilization of genotyping-by-sequencing for genomic selection in the Kansas State University wheat (*Triticum aestivum*) breeding program. Plant & Animal Genome XXI. Jan. 12-16, 2013. San Diego, CA, USA.

27 **Zhang, G.**, and T.J. Martin. Temperature effect on coleoptile length in tall and semidwarf wheat. 2012 ASA-CSSA-SSSA International Annual Meetings. Oct. 21-24. Cincinnati, OH, USA.

28 **Zhang G**., and D. Kiser. 2011. Grow camelina as a winter crop in TN. Poster presentation. ASA-CSSA-SSSA International Annual Meetings. Oct. 16-19. San Antonio, TX.

29 de Koff P.J., S. Haile, **G. Zhang**, S. Zhou, and R. Sauve. 2010. Biofuels research program at Tennessee State University. Poster presentation. Sustainable Feedstocks for Advanced Biofuels. Sept. 28-30. Atlanta, GA.

30 **Zhang G.**, and D. Wang. 2009. Detection and verification of an aphid resistance locus in soybean PI 567543C. Poster presentation. ASA-CSSA-SSSA International Annual Meetings. Nov. 1-5. Pittsburgh, PA.

31 Liu M., **G. Zhang**, and D. Wang. 2009. Identification of aphid resistance genes by modified nested association mapping in soybean PI 567598B. Poster presentation. ASA-CSSA-SSSA International Annual Meetings. Nov. 1-5. Pittsburgh, PA.

32 Wang D., G. **Zhang**, M. Liu, Z. Yang. 2009. Advances in the genetic study of soybean aphid resistance in the USA. Oral presentation. World Soybean Research Conference VIII, Aug. 10-15, Beijing, China.

33 **Zhang G.**, and D. Wang. 2008. Molecular mapping of soybean aphid resistance genes in PI 567541B. Poster presentation. Soy 2008 Conference. July 20-23. Indianapolis, IN.

34 Iezzoni A.F., **G. Zhang**, D. Wang, S.S. Sooriyapathirana, A.M. Sebolt, W.E. van de Weg, and M.C.A.M. Bink. 2008. Pedigree based analysis: our experiences using multiple pedigreed populations in sweet cherry. Poster presentation. 4th Rosaceae Genomics Conference. March 16-19. Pucon, Chile.

35 Cabrera1 A., A. Kozik, S.S. Sooriyapathirana, A. Sebolt, S. Hammar, J.W. Olmstead, G. Iriarte, D. Wang, **G. Zhang**, A.F. Iezzoni, and E. van der Knaap. 2008. Development of

gene-based markers for linkage map construction and QTL analysis in sweet cherry (*Prunus avium* L.). Poster presentation. Plant & Animal Genomes XVI Conference. Jan. 12-16. San Diego, CA.

36 **Zhang G.**, and M. Mergoum. 2006. "Tuning up" grain shattering evaluation methods in spring wheat. Poster presentation. ASA-CSSA-SSSA International Annual Meetings. Nov. 12-16. Indianapolis, IN.

37 **Zhang G.**, M. Mergoum, R.W. Stack, B.G. Schatz, and J. Anderson. 2005. Kernel shattering in wheat: evaluation methods, association with agronomic traits, and QTL's identification. Oral presentation. ASA-CSSA-SSSA International Annual Meetings. Nov. 6-10. Salt Lake City, UT.

38 **Zhang G.**, M. Mergoum, and B. Schatz. 2005. Genetics and screening methods for kernel shattering, and its association with other traits in spring wheat. Poster presentation. 7th International Wheat Conference. Nov. 27-Dec 2. Mar del Plata, Argentina.

39 **Zhang G.**, M. Mergoum, and R.W. Stack. 2004. Kernel shattering and its relationship with Fusarium head blight in spring wheat. Poster presentation. The 2nd International Symposium on *Fusarium* Head Blight. Dec. 11-15. Orlando, FL.

Extension Publications (68)

- Holman J., A. Fritz, **G. Zhang**, E. Fabrizius, L. Haag, and J. Falk Jones. 2022. Effect of heat and drought during grain fill on wheat seed quality. eUpdate Issue 910.
- **Zhang G.**, A.K. Fritz, R.P. Lollato, E. De Wolf, and J. Rupp. 2021. KS Dallas hard red winter wheat. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. L941.
- **Zhang G.**, A.K. Fritz, R.P. Lollato, E. De Wolf, and J. Rupp. 2021. KS Silverado hard white winter wheat. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. L942.
- **Zhang G.**, A.K. Fritz, R.P. Lollato, E. De Wolf, and J. Rupp. 2021. KS Western Star hard red winter wheat. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. L943.
- Ag-Climate Update. (co-author for this monthly eUpdate from Jan. 2019 to Dec. 2022, a total of **48** eUpdates)
- **Zhang G.** 2019. KS Dallas: new hard red wheat variety from K-State. eUpdate.
- **Zhang G.**, A.K. Fritz, R.P. Lollato, and Erick DeWolf. 2017. Tatanka hard red winter wheat. Kansas State University Cooperative Extension Service Bulletin. L939.
- **Zhang G.**, T.J. Martin, A.K. Fritz, and R.P. Lollato. 2016. Joe hard white winter wheat. Kansas State University Cooperative Extension Service Bulletin. L938.
- Fritz, A.K., **G. Zhang**, E. De Wolf, and J.P. Shroyer. 2015. KanMark hard red winter wheat. Kansas State University Cooperative Extension Service Bulletin. L936.
- **Zhang G.**, T.J. Martin, A.K. Fritz, and J.P. Shroyer. 2014. Oakley CL hard red winter wheat. Kansas State University Cooperative Extension Service Bulletin. L933.
- Martin T.J., **G. Zhang**, A.K. Fritz, and J.P. Shroyer. 2013. Clara CL hard white wheat. Kansas State University Cooperative Extension Service Bulletin. L931.
- Fritz A.K., T.J. Martin, **G. Zhang**, and J.P. Shroyer. 2013. 1863 hard red winter wheat. Kansas State University Cooperative Extension Service Bulletin. L932.

- Lingenfelser J. et al. 2020. 2020 Kansas performance tests with winter wheat varieties. KAES. SRP1158. (Contributor: conducted eight field trials in western Kansas)
- Lingenfelser J. et al. 2019. 2019 Kansas performance tests with winter wheat varieties. KAES. SRP1151. (Contributor: conducted eight field trials in western Kansas)
- Lingenfelser J. et al. 2018. 2018 Kansas performance tests with winter wheat varieties. KAES. SRP1143. (Contributor: conducted eight field trials in western Kansas)
- Lingenfelser J. et al. 2017. 2017 Kansas performance tests with winter wheat varieties. KAES. SRP1135. (Contributor: conducted eight field trials in western Kansas)
- Lingenfelser J. et al. 2016. 2016 Kansas performance tests with winter wheat varieties. KAES. SRP1128. (Contributor: conducted eight field trials in western Kansas)
- Lingenfelser J. et al. 2015. 2015 Kansas performance tests with winter wheat varieties. KAES. SRP1119. (Contributor: conducted eight field trials in western Kansas)
- Lingenfelser J. et al. 2014. 2014 Kansas performance tests with winter wheat varieties. KAES. SRP1108. (Contributor: conducted eight field trials in western Kansas)
- Lingenfelser, J. etc. 2013. 2013 Kansas performance tests with winter wheat varieties. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. SRP1090. (Contributor: conducted eight field trials in western Kansas)
- Lingenfelser, J. etc. 2012. 2012 Kansas performance tests with winter wheat varieties. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. SRP1072. (Contributor: conducted eight field trials in western Kansas)

Professional Service:

Membership in Professional Societies

- Crop Science Society of America (2006 ~ present)
- America Society of Agronomy (2012 ~ 2016)
- Crop Science Society of China (1995-2003)
- Shanghai Society of Plant Physiology (1995-2003)

Professional Committee (4)

- Hard Winter Wheat Improvement Committee
- C453 Frank N. Meyer Medal for Plant Genetic Resources in Crop Science Society of America
- AOSCA Small Grain Variety Review Board
- Coalition for Grain Fiber Plant Breeding

Invited Presentations (14)

- Invited lecture to a group of students from Fort Hays State University on Nov. 2, 2022 at Hays, KS.
- Invited lecture to a group of students from Fort Hays State University on Oct. 31, 2022 at Hays, KS.

- Invited presentation to a group of visiting college students from India on July. 1, 2022, at Hays, KS.
- Invited class lecture at Fort Hays State University, Hays, KS on Feb. 13, 2020.
- Invited presentation to a group of visiting college students from India on Aug. 8, 2019, at Hays, KS.
- Peru Miller Association, Lima, Peru on Dec. 17, 2018.
- Yangzhou University, Yangzhou, Jiangsu, China on Dec. 5, 2017.
- Sule Seed, Lianyungang, Jiangsu, China on Dec. 3, 2017.
- Lianyungang Academy of Ag. Sci., Lianyungang, Jiangsu, China on Dec. 3, 2017.
- Optimist International Club at Hays on March 24, 2016.
- Dept. of Plant Pathology, Kansas State University, Manhattan, KS, on April 12, 2015.
- Henan Agricultural University in China on March 13, 2013.
- Wheat Summit at Burlington, Colorado on Feb. 28, 2013.
- Annual meeting of Skyland Grain LLC in Johnson City, KS on May 22, 2012.

Journal Editor Service (5)

- Associate editor for Agronomy
- Associate editor for Journal of Plant Registrations
- Academic Editor for PeerJ
- Review Editor for Frontiers in Plant Science-Plant Genomics
- Review Editor for Frontiers in Plant Science-Plant Abiotic Stress

Manuscript and Proposal Reviews (2008 ~present)

- Invited and reviewed manuscripts for 25 journals, including *Frontiers in Plant Sciences*, *Journal of Plant Registrations*, *Journal of Economic Entomology*, *Plant Breeding*, *Austin journal of Plant Biology*, *Theoretical & Applied Genetics*, *Crop Science*, *Plant Pathology*, *Phytopathology*, *Annals of Applied Biology*, *Journal of Agricultural Science and Research*, *Canadian Journal of Plant Pathology*, *Sugar Tech*, *Journal of Agricultural Science*, *Journal of Agronomy and Crop Science*, *Crop & Pasture Science*, *Planta*, *Journal of Advanced Research*, *BMC Plant Biology*, *BMC Genomics*, *PeerJ*, *Agronomy Journal*, *Scientific Reports*, *Genetica*, *Czech Academy of Agricultural Sciences*
- Invited and reviewed one grant proposal for UK Biotech and Bio-Science Research Council.
- Invited and reviewed USDA project plans from Robert Bowden and Robert Graybosch.
- Invited and reviewed four wheat variety release proposals from Texas A&M University.
- Invited and reviewed four book proposals from ELSEVIER.
- Invited and reviewed "Five Year Review of the DST/NRF South African Research Chair" for National Research Foundation of South Africa.
- Invited and reviewed a NASA grant proposal.
- Invited and reviewed a proposal from Saskatchewan Wheat Commission in Canada.

Professional Development:

- March 14 to 16, 2022 Completed the three-day course of "Drone Imagery Collection, Mapping, and Analysis" offered by K-State Salina campus.

- Feb 5 and 7, 2018 Attend "**Beocat workshop**" at K-State, Manhattan, KS
- April 2015 Attend "**Science: Becoming the Messenger**" at K-State, Manhattan, KS
- Jan. 2014 Attended "**GBS Workshop**" at Cornell University, Ithaca, NY.
- Aug. 2012 Attended "**Tenure and Promotion Workshop**" at K-State, Manhattan, KS.
- March 2011 Attended "**NSF Regional Grants Conference**" presented by National Science Foundation, at Vanderbilt University, Nashville, TN.
- Dec. 2010 Attended "2010 **Grantsmanship Workshop"** presented by National Institute of Food and Agriculture, USDA, Washington DC.
- Dec. 2008 Attended "**Grant Writer's Seminars & Workshops**" at Michigan State University, East Lansing, MI.
- July 1995 Attended "**National Plant Breeding and Genetics Training Camp"** at Chinese Academy of Agricultural Sciences, Beijing, China.