

## Frank Maulana, Ph.D.

### EDUCATION

Ph.D. in Plant Breeding and Genetics, Kansas State University (KSU), 2016  
M.S. in Plant Breeding and Genetics, Kansas State University (KSU), 2011  
B.S. in Crop Science, Lilongwe University of Agriculture and Natural Resources (LUANAR), Malawi, 2004

### EMPLOYMENT

Plant Breeder, California Cooperative Rice Research Foundation, Inc., Biggs, CA, 2022 to Present  
Postdoctoral Researcher, Louisiana State University AgCenter, Rayne, Louisiana, 2021-2022  
Postdoctoral Fellow, Noble Research Institute, Ardmore, OK, 2016-2021  
Graduate Research Assistant, Kansas State University (KSU), Manhattan, Kansas, 2011-2016  
Graduate Research Assistant, Kansas State University (KSU), Manhattan, Kansas, 2009-2011  
Plant Breeder, Agricultural Research and Extension Trust (ARET), Lilongwe, Malawi, 2004-2009

### SELECTED PUBLICATIONS

**Maulana, F.**, W. Huang, J.D. Anderson, T. T. Kumssa and X.Ma.2021. Genome-Wide Association Mapping of Seedling Vigor and Regrowth Vigor in Winter Wheat. *Crops*, 1 (3): 153-165.  
**Maulana, F.**, K.S. Kim, J. D. Anderson, M.E. Sorrells, T.J. Butler, S. Liu, P. S. Baenziger, P. F. Byrne, and X. Ma. 2021. Genomic Selection of Forage Agronomic Traits in Winter Wheat. *Crop Science*, 61(1): 410-421.  
**Maulana, F.**, R. Perumal, and T.T. Tesso. 2021. Hybrid Performance as Related to Genomic Diversity and Population Structure in Public Sorghum [*Sorghum bicolor* (L.) Moench] Inbred Lines. *Crop Science*, 61: 357-371.  
**Maulana, F.**, W. Huang, J.D. Anderson, and X.Ma.2020. Genome-Wide Association Mapping of Seedling Drought Tolerance in Winter Wheat. *Frontiers in Plant Science-Section of Plant Breeding*, 11:573786.  
**Maulana, F.**, K.S. Kim, J. D. Anderson, M.E. Sorrells, T.J. Butler, S. Liu, P. S. Baenziger, P. F. Byrne, and X. Ma. 2019. Genomic Selection of Forage Quality Traits in Winter Wheat. *Crop Science* 59:1-11.  
**Maulana, F.**, H. Ayalew, J. D. Anderson, T.T. Kumssa, W. Huang, and X. Ma. 2018. Genome-Wide Association Mapping of Seedling Heat Tolerance in Winter Wheat. *Frontiers in Plant Science*, 9:1272.  
Ayalew, H., J.D. Anderson, T.T. Kumssa, **F. Maulana**, and X. Ma. 2018. Screening Oat Germplasm for Better Adaptation to Cold Stress in the Southern Great Plains of the United States. *Journal of Agronomy and Crop Science*, 205(2):213-219.  
**Maulana, F.**, D. Weerasoriya, and T.T. Tesso. 2017. Sorghum Landrace Collections from Cooler Regions of the World Exhibit Magnificent Genetic Differentiation and Early Season Cold Tolerance. *Frontiers in Plant Science*.  
Weerasoriya, D.K., **F. Maulana**, A.Y. Bandara, A. Tirfessa, A. Ayana, G. Mengistu, K. Nouh, and T.T. Tesso. 2016. Genetic Diversity and Population Structure among Sorghum (*Sorghum bicolor*, L. Moench) Germplasm Collections from Western Ethiopia. *African Journal of Biotechnology*, 15 (23): 1147-1158.  
**Maulana, F.**, and T.T. Tesso. 2013. Cold Temperature Episode at Seedling and Flowering Stages Reduces Growth and Yield Components in Sorghum. *Crop Science*, 53:564-574.

### AFFILIATIONS

Member, Crop Science Society of America  
Member, Agronomy Society of America  
Member, Soil Science Society of America  
Member, National Association of Plant Breeders  
Member, American Association for the Advancement of Science

### AWARDS

John H. Parker scholarship, Department of Agronomy, KSU, Manhattan, Kansas (2015)  
Fellowship in Statistical Genetics and Genomics, University of Alabama (UAB), Birmingham (2015)  
Bernard E. and Estelle L. Foote, and Dan M. Rodgers memorial scholarships, KSU, Manhattan, Kansas (2014)  
Foote and Parker scholarships, Department of Agronomy, KSU, Manhattan, Kansas (2012)  
Outstanding member, International Coordinating Council, KSU, Manhattan, Kansas (2012)  
Elva and Reitz and Rodgers scholarships, Department of Agronomy, KSU, Manhattan, Kansas (2010)  
Golden Key International Honors Society award, KSU, Manhattan, Kansas (2009)