PRAIRIE VIEW A&M UNIVERSITY

Curriculum Vitae

Faculty Name:	**Tesfamichael Kebrom**	**Work Address:**	P.O. Box 519; MS 1060 Prairie View, TX 77446
Position Title:	Research Scientist		
Office Location:	Cooperative Agricultural Research Center, Rm. 124		
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Education:	**Degree and Area of Study**	**Institution Name**	**Degree Date**
	Ph.D. Molecular & Env. Plant Sc.	Texas A&M University, Texas	2006
	MPhil. Crop Physiology	University of Reading, UK	1999
	BSc. Plant Sciences	University of Asmara, Eritrea	1996

Professional Experience	**Position Title**	**Institution Name**	**Position Dates** (Beginning and End)
	Research Scientist	Prairie View A&M University	2019 - Present
	Postdoctoral Researcher	Prairie View A&M University	2017-2018
	Assistant Research Scientist	Texas A&M University	2012-2016
	Postdoctoral Fellow	CSIRO (National lab) Australia	2010-2012
	Postdoctoral Associate	Boyce Thompson, Cornell Univ.	2006-2009
	Graduate Research	Texas A&M University	2002-2006
	Lecturer	University of Asmara, Eritrea	1999-2002

Professional Publications:	**Peer-reviewed Journal Articles**
	Kebrom TH, Doust A (2022) Activation of apoplastic sugar at the transition stage may be essential for axillary bud outgrowth in the grasses. ***Frontiers in Plant Science*** 13:1023581 https://doi.org/10.3389/fpls.2022.1023581
	Kebrom TH, McKinley B, Mullet JE (2020) Shade signals alter the expression of circadian clock genes in newly-formed bioenergy sorghum internodes. ***Plant Direct***, doi.org/10.1002/pld3.235
	Kebrom TH, Douglas R, Bandara S, Woldesenbet S, Carson L, Kidane N (2020) Identification of phytotoxic levels of copper and nickel in commercial organic soil amendments recycled from poultry farms and municipal wastes. ***Bulletin of Environmental Contamination and Toxicology***, https://doi.org/10.1007/s00128-020-03030-5
	Kebrom TH, Woldesenbet S, Bayabil HK, Garcia M, Gao M, Ampim P, Awal R, Fares A (2019) Evaluation of phytotoxicity of three organic amendments to collard greens using the seed germination bioassay. ***Environmental Science & Pollution Research*** **26**:5454–5462
	Kebrom TH (2017) A growing stem inhibits bud outgrowth – the overlooked theory of apical dominance. ***Frontiers in Plant Science*** **8**:1874 https://doi.org/10.3389/fpls.2017.01874
	Kebrom TH, McKinley B, Mullet JE (2017) Dynamics of gene expression during development and expansion of vegetative stem internodes of bioenergy sorghum. ***Biotechnology for Biofuels*** 10:159

	Kebrom TH, Mullet JE (2016) Transcriptome profiling of tiller buds provides new insights into phyB regulation of tillering and indeterminate growth in sorghum. ***Plant Physiology* 170**: 2232 - 2250
	Kebrom TH, Brutnell TP (2015) Tillering in the *sugary1* sweet corn inbred is maintained by overriding the teosinte branched1 repressive signal. ***Plant Signaling & Behavior*** 10 (12): e1078954
	Kebrom TH, Mullet JE (2015) Photosynthetic leaf area modulates tiller bud outgrowth in sorghum. ***Plant, Cell & Environment* 38**: 1471-1478
	Kebrom TH, Richards RA (2013) Physiological perspectives of reduced tillering and stunting in the tiller inhibition (*tin*) mutant wheat. ***Functional Plant Biology* 40**: 977-985
	Kebrom TH, Spielmeyer W, Finnegan EJ (2013) Grasses provide new insights into regulation of shoot branching. ***Trends in Plant Science* 18**: 41-48
	Kebrom TH, Chandler PM, Swain SM, King RW, Richards RA, Spielmeyer W (2012) Inhibition of tiller bud outgrowth in the *tin* mutant of wheat is associated with precocious internode development. ***Plant Physiology* 160**: 308-318
	Whipple CJ, **Kebrom TH**, Weber AL, Yang F, Hall DH, Meeley RB, Schmidt RJ, Doebley J, Brutnell TP, Jackson DP (2011) *grassy tillers1* promotes apical dominance in maize and responds to shade signals in the grasses. ***Proceedings of the National Academy of Science* 108**: E506-E512
	Pinghua Li, Ponnala L, Gandotra N, Wang L, Si Y, Tausta SL, **Kebrom TH**, Provart N, Patel R, Myers CR, Reidel EJ, Turgeon R, Liu P, Sun Q, Nelson T, Brutnell TP (2010) The developmental dynamics of the maize leaf transcriptome. ***Nature Genetics* 42**: 1060-1067
	Kebrom TH, Brutnell TP, Finlayson SA (2010) Suppression of sorghum axillary bud outgrowth by shade, phyB and defoliation signaling pathways. ***Plant, Cell & Environment* 33**: 48-58
	Finlayson SA, Krishnareddy SR, **Kebrom TH,** Casal JJ (2010) Phytochrome regulation of branching in Arabidopsis. ***Plant Physiology*** 152: 1914-1927
	Kebrom TH, Brutnell TP (2007) The molecular analysis of the shade avoidance syndrome in the grasses has begun. ***Journal of Experimental Botany* 58**: 3079-3089
	Kebrom TH, Burson BL, Finlayson SA (2006) Phytochrome B represses *Teosinte branched1* expression and induces sorghum axillary bud outgrowth in response to light signals. ***Plant Physiology* 140**: 1109-1117
	Tarpley L, Duran AL, **Kebrom TH,** Sumner LW (2005) Biomarker metabolites capturing the metabolite variance present in a rice plant developmental period. ***BMC Plant Biology* 5**:8
Additional Trainings/Skills:	
	Graduate Teaching Academy Fellow (2005), Texas A&M University
	International Course on Vegetable Crop Production and Extension, University of Nairobi (1997)