

South Plains College
Curriculum/Vitae

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Education	From Month/Year	To Month/Year	Institution	Degree	Discipline
	08/2006	08/2011	Texas Tech University	Ph.D.	Chemistry
	08/2002	05/2006	Texas Tech University	B.S.	Biochemistry
List previous teaching and administrative duties relevant to higher education.	From Month/Year	To Month/Year	Institution/Company		
	09/2018	Present	Associate Professor of Chemistry, South Plains College, Levelland Texas.		
	09/2016	08/2018	Assistant Professor of Chemistry, South Plains College, Levelland Texas.		
	08/2015	08/2016	Instructor of Chemistry, South Plains College, Levelland Texas.		
	09/2011	08/2015	Post-Doctoral Research Assistant, Purdue University, West Lafayette Indiana.		
	08/2006	08/2011	Graduate Teaching/Research Assistant, Texas Tech University, Lubbock Texas.		
Professional development or publications relevant to the academic positions held or teaching field.	<p>Wang B*, Chai H, Zhong Y, Shem Y, Yang W, Chen J, Xin Z and Shi H. (2019). The DEAD-box RNA Helicase SHI2 Functions in Repression of Salt-inducible Genes and Regulation of Cold-inducible Gene Splicing. <i>Submitted to J. Exp. Bot.</i></p>				
	<p>Zhu Y, Wang B, Tang K, Hsu CC, Xie S, Du H, Yang Y, Tao WA and Zhu JK. (2017). An Arabidopsis Nucleoporin modulates plant responses to ABA and salt stress. <i>PLoS Genetics</i>. 13(12): e1007124.</p>				
	<p>Yan J, Wang P, Wang B, Hsu CC, Tang K, Zhang H, Hou YJ, Zhao Y, Wang Q, Zhao C, Zhu X, Tao WA, Li J and Zhu JK. (2017). The SnRK2 kinases modulate miRNA accumulation in Arabidopsis. <i>PLoS Genetics</i>. 13 (4): e1006753.</p>				

South Plains College

Curriculum/Vitae

	<p>Yang Y, La H, Tang K, Yang L, Wang B, Duan CG, Nie W, Wang X, Wang S, Pan Y, Tran EJ, An L, Zhang H, and Zhu JK. (2017). SAC3B, a central component of the mRNA export complex TREX-2, is required for prevention of epigenetic gene silencing in Arabidopsis. <i>Nucleic Acid Res.</i> 45(1): 181-197.</p>
	<p>Hou YJ, Zhu Y, Wang P, Zhao Y, Xie S, Batelli G, Wang B, Duan CG, Wang X, Xing L, Lei M, Yan J, Zhu X, and Zhu JK. (2016). Type One Protein Phosphatase 1 and Regulatory Protein Inhibitor 2 Negatively Regulate ABA Signaling. <i>PLoS Genetics.</i> 12(3): e1005835</p>
	<p>Chen J, Wang B, Chung JS, Chai H, Liu C, Ruan Y, and Shi H. (2015). The role of promoter cis-element, mRNA capping, and ROS in the repression and salt-inducible expression of AtSOT12 in Arabidopsis. <i>Front Plant Sci.</i> 6:974</p>
	<p>Wang B*, Duan CG, Wang X, Hou YJ, Yan J, Gao C, Kim JH, Zhang H, and Zhu JK. (2015). HOS1 regulates Argonaute1 by promoting transcription of the microRNA gene MIR168b in Arabidopsis. <i>Plant J.</i> 81(6): 861-870.</p>
	<p>Duan CG, Zhang H, Tang K, Zhu X, Qian W, Hou YJ, Wang B, Lang Z, Zhao Y, Wang X, Wang P, Zhou J, Liang G, Liu N, Wang C, and Zhu JK. (2015). Specific but interdependent functions for Arabidopsis AGO4 and AGO6 in RNA-directed DNA methylation. <i>EMBO J.</i> 4; 34(5): 581-592.</p>
	<p>Zhang H, Tang K, Wang B, Duan CG, Lang Z, and Zhu JK. (2014). Protocol: a beginner's guide to the analysis of RNA-directed DNA methylation in plants. <i>Plant Methods.</i> 10: 18</p>
	<p>Zhang H, Tang K, Qian W, Duan CG, Wang B, Zhang H, Wang P, Zhu X, Lang Z, Yang Y, and Zhu JK. (2014). An Rrp6-like protein positively regulates noncoding RNA levels and DNA methylation in Arabidopsis. <i>Molecular Cell.</i> 54 (3): 418-430.</p>
	<p>Wang X, Duan CG, Tang K, Wang B, Zhang H, Lei M, Lu K, Mangrauthia SK, Wang P, Zhu G, Zhao Y, and Zhu JK. (2013). RNA-binding protein regulates plant DNA methylation by controlling mRNA processing at the intronic heterochromatin-containing gene IBM1. <i>PNAS USA.</i> 110 (38): 15467-15472.</p>
	<p>Jiang J, Wang B, Wang H, Feng Q, Shen Y, and Shi H. (2013). The Arabidopsis RNA binding protein with K homology motifs, SHINY1, interacts with the C-terminal domain phosphatase-like 1 (CPL1) to repress stress-inducible gene expression. <i>PLoS Genetics.</i> 9(7): e1003625.</p>
	<p>Zhang H, Wang B, Duan CG, and Zhu JK. (2013). Chemical probes in plant epigenetics studies. <i>Plant Signal Behav.</i> 8(9): e25364.</p>
	<p>Zhan X*, Wang B*, Li H, Liu R, Kalia RK, Zhu JK and Chinnusamy V. (2012). Arabidopsis proline-rich protein important for development and abiotic stress tolerance is involved in microRNA biogenesis. <i>PNAS USA.</i> 109: 18198-18203*These authors contributed equally to this work.</p>
	<p>Baek D, Jiang J, Chung JS, Wang B, Chen J, Xin Z and Shi H. (2011) Regulated <i>AtHKT1</i> Gene Expression by a Distal Enhancer Element and DNA Methylation in the Promoter Plays an Important Role in Salt Tolerance. <i>Plant and Cell Physiology.</i> 52: No. 1, 149-161.</p>