CURRICULUM VITAE

Personal Information			
Name	Shaobing Peng	Gender	Male
Position Title		Professor	
Working Department		Agronomy	
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Research Interest

- Yield potential of rice crop
- Photosynthesis, plant water relations, and water use efficiency
- Nutrient use efficiency and fertilizer management
- Crop and natural resources management
- Climate change and rice production
- Farming system

Professional Memberships

- American Society of Agronomy
- Crop Science Society of America
- Soil Science Society of America

Other Roles

- Associate editor of Field Crops Research
- Associate editor of Plant Production Science

Education & Working Experience

Dr. Peng received B.S. in 1983 from Huazhong Agriculture University, China, M.S. from University of California, Davis in 1986, and Ph.D. from Texas Tech University in 1990. He was a Post Doctoral Associate at Citrus Research and Education Center, University of Florida from 1990 to 1991. He worked as crop physiologist with the International Rice Research Institute from 1991-2010. At present, he is a professor in crop physiology in Huazhong Agriculture University.

Publications

1. Peng, S., J. Huang, J.E. Sheehy, R.C. Laza, R.M. Visperas, X. Zhong, G.S. Centeno, G.S. Khush, and K.G. Cassman. 2004. Rice yields decline with higher night temperature from global warming. Proceedings of the National Academy of Sciences (USA) 101(27):9971-9975.

2. Peng, S., R.J. Buresh, J. Huang, J. Yang, Y. Zou, X. Zhong, G. Wang, and F. Zhang. 2006. Strategies for overcoming low agronomic nitrogen use efficiency in irrigated rice systems in China. Field Crops Research 96:37-47.

3. Peng, S., B.A.M. Bouman, R.M. Visperas, A.R. Castañeda, L. Nie, and H.-K. Park. 2006. Comparison between aerobic and flooded rice in the tropics: agronomic performance in an eight-season experiment. Field Crops Research 96:252-259.

4. Peng, S., G.S. Khush, P. Virk, Q. Tang, and Y. Zou. 2008. Progress in ideotype breeding to increase rice yield potential. Field Crops Research 108:32-38.

5. Peng, S., Q. Tang, and Y. Zou. 2009. Current status and challenges of rice production in China. Plant Production Science 12(1):3-8.

6. Peng, S., R.J. Buresh, J. Huang, X. Zhong, Y. Zou, J. Yang, G. Wang, Y. Liu, R. Hu, Q. Tang, K. Cui, F. Zhang, and A. Dobermann. 2010. A decade of research on improving nitrogen fertilization in rice through site-specific nitrogen management in China. Agronomy for Sustainable Development 30:649-656.

7. Peng, S., J. Huang, K.G. Cassman, R.C. Laza, R.M. Visperas, and G.S. Khush. 2010. The importance of maintenance breeding: A case study of the first miracle rice variety-IR8. Field Crops Research 119:342-347.

8. Yao, F., J. Huang, K. Cui, L. Nie, J. Xiang, X. Liu, W. Wu, M. Chen, and S. Peng. 2012. Agronomic performance of high-yielding rice variety grown under alternate wetting and drying irrigation. Field Crops Research 126:16-22.

9. Wu, W., J. Huang, K. Cui, L. Nie, Q. Wang, F. Yang, F. Shah, F. Yao, and S. Peng. 2012. Sheath blight reduces stem breaking resistance and increases lodging susceptibility of rice plants. Field Crops Research 128:101-108.

10. Wang, Q., J. Huang, F. He, K. Cui, J. Zeng, L. Nie, and S. Peng. 2012. Head rice yield of

"super" hybrid rice Liangyoupeijiu grown under different nitrogen rates. Field Crops Research 134:71-79.

11. Wang, K., H. Zhou, B. Wang, Z. Jian, F. Wang, J. Huang, L. Nie, K. Cui, and S. Peng. 2013. Quantification of border effect on grain yield measurement of hybrid rice. Field Crops Research 141:47-54.

12. Chen, C., J. Huang, L. Zhu, F. Shah, L. Nie, K Cui, and S. Peng. 2013. Varietal difference in the response of rice chalkiness to temperature during ripening phase across different sowing dates. Field Crops Research 151:85-91.

13. Yuan, S., Y. Li, and S. Peng. 2015. Leaf lateral asymmetry in morphological and physiological traits of rice plant. PLoS One 10 (6): e0129832. doi: 10.1371/journal.pone.0129832.

Additional Information

Dr. Peng received the Promising Young Scientist award from the Consultative Group on International Agricultural Research in 1996. Dr. Peng was selected as the Fellow of American Society of Agronomy in 2004 and Fellow of Crop Science Society of America in 2005. He was awarded as Chang Jiang Chair Professor by Ministry of Education in 2005 and National Distinguished Expert by the "Recruitment Program of Global Experts" (1000 Talent Plan) of the state in 2012.