

CURRICULUM VITAE

Personal Information			
Name	ZHU, Fen	Gender	Female
Position Title	Associate Professor		
Working Department	Entomology Teaching and Research Section, College of Plant Science and Technology		
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Research Interest			
<p>My academic interests focus on insect physiology and utilization of insect resources. My current studies are: (1) How to convert organic waste with insects, especially with larvae of housefly, blowfly, and black soldier fly? (2) How to extract and use insects' protein, lipid, and other bioactive components from insects, especially from housefly and black soldier fly. (3) What is the effect of toxic substance on physiology of insect, especially heavy metals? (4) How to use visual and olfactory behavior to control pests?</p>			
Professional Memberships			
Secretary-General, the Entomological Society of Hubei			
Teaching			
General Entomology, Insect Anatomy, Insect Resources			
Education & Working Experience			
2010.12-present Associate professor. Huazhong Agriculture University, China 2012.02-2013.02 Visiting School. University of California, Davis, USA 2010.09-2011.01 Advanced English Training. Sichuan International Studies University, China 2006.07-2010.12 Assistant professor. Huazhong Agriculture University, China 2001.09-2006.06 Ph.D. Zoology. Huazhong Agriculture University, China 1996.09-2000.06 B.S. Agronomy. Huazhong Agriculture University, China			
Publications			
<p>Wang X, Xiong M, Lei C, Zhu F*. The developmental transcriptome of the synanthropic fly <i>Chrysomya megacephala</i> and insights into olfactory proteins. <i>Bmc Genomics</i>. 2015,16:20.</p> <p>Wang X, Xiong M, Wang J, Lei C, Zhu F*. Reference gene stability of a synanthropic fly, <i>Chrysomya megacephala</i>. <i>Parasites & Vectors</i>.2015,8:565-574</p> <p>Yuan R, Li SZ, Du Q, Lei CL, Zhu F*.2015. Immature stages description of March fly, <i>Penthetria japonica</i> Wiedemann (Diptera: Bibionidae), from Hubei, China. <i>Entomological news</i> 124(5): 320-324</p> <p>Xu P, Zhu F, Buss GK and Leal WS*. 1-Octen-3-ol – the attractant that repels [version 1; referees: 4 approved] <i>F1000Research</i> 2015, 4:156</p> <p>Zhu F, Xu P†, Barbosa RMR, Choo YM, Leal WS*, 2013. RNAi-based demonstration of direct link between specific odorant receptors and mosquito oviposition behaviour. <i>Insect Biochemistry and Molecular Biology</i> 43, 916-923.</p>			

- Xu P, Choo YM, Pelletier J, Sujimoto FR, Hughes DT, **Zhu F**, Atungulu E, Cornel AJ, Luetje CW, Leal WS. 2013. Silent, generic and plant kairomone sensitive odorant receptors from the Southern house mosquito. *Journal of Insect Physiology* 59(9): 961-966.
- Hu YW, **Zhu F**, Wang XP, Guan CX, An YX, Lei CL*. 2012. Latitudinal pattern in body size in a cockroach, *Eupolyphaga sinensis*. *Entomologia Experimentalis et Applicata* 144(2) : 223-230
- Yang FL, **Zhu F**, Lei CL*. 2012. Insecticidal activities of garlic substances against adults of grain moth, *Sitotroga cerealella* (Lepidoptera: Gelechiidae). *Insect Science* 19(1):205-212
- Zhang CY, Meng JY, Wang XP, **Zhu F**, Lei CL*. 2011. Effects of UV-A exposures on longevity and reproduction in *Helicoverpa armigera*, and on the development of its F1 generation. *Insect Science* 18(6): 697-702
- Hu YW, Yuan X, **Zhu F***, Lei CL. 2010. Development time and size-related traits in the oriental blowfly, *Chrysomya megacephala* along a latitudinal gradient from China. *Journal of Thermal Biology* 35(7): 366-371
- Hu YW, Xie YJ, **Zhu F**, Wang CB, Lei CL*. 2010. Variation in sexual size dimorphism among populations: testing the differential-plasticity hypothesis. *Entomologia Experimentalis et Applicata* 137(2) : 204-209
- Yang FL, **Zhu F**, Lei CL*. 2010. Garlic essential oil and its major component as fumigants for controlling *Tribolium castaneum* (Herbst) in chambers filled with stored grain. *Journal of Pest Science* 83(3) : 311-317