

个人简历

基本信息



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工作经历及教育背景

11/2010- 至今 教授, 浙江万里学院
11/2005- 10/2010 副教授, 浙江万里学院
07/2003- 10/2005 讲师, 浙江万里学院
09/1999- 06/2003 博士, 生物物理学, 浙江大学, 杭州
09/1996- 06/1999 硕士, 生物物理学, 浙江大学, 杭州
09/1992- 06/1996 本科, 茶学, 原浙江农业大学, 杭州

教学经历

◆ 浙江万里学院

硕士课程: 基因工程原理及应用(2012-至今).

本科课程: 1F10901 遗传学(2003 - 2014).

1F10167 分子生物学(2005 - 至今).

1F10515 基因工程(2005 - 至今).

1F12473 分子生物学与基因工程(2012 - 至今).

1A11163 专业英语(2007 - 2008).

科研方向

- ◆ **药用植物种质资源评价**: 浙贝母、三叶青和金线莲种质资源药用成分检测与分析及分离纯化技术研究; 药用植物 DNA 条形码技术研究; 药用植物遗传多样性分析。
- ◆ **药用植物种质改良**: 采用理化诱变技术进行药用植物新种质创制研究; 药用植物突变体的筛选与鉴定; 药用植物新种质的遗传稳定性与品种特性分析; 控制药用植物药效成分合成的关键基因的克隆与应用。

代表性论文(2002– 2016)

1. Feng, Y., Yang, H., Yu, X., Guan, Y. and **Wang, Z***. Molecular cloning and characteristic of farnesyl pyrophosphate synthase in *Fritillaria thunbergii*. *Medicinal Plant*, 2016, in press (通讯作者)
2. **Wang, Z.**, Yu, C. and Jiang, L. Segregation and expression of transgenes in the progenies of Bt transgenic rice crossed to conventional rice varieties. *African Journal of Biotechnology*, 2012
3. **Wang, Z.**, Jia, Y., Rutger, J. N. and Xia, Y. Rapid survey for presence of a blast resistance gene *Pi-ta* in rice cultivars using the dominant DNA markers derived from portions of the *Pi-ta* gene. *Plant Breeding*, 2007, 126: 36-42
4. **Wang, Z.**, Jia, Y., Lin, H., Intern, A., Valent, B. and Rutger, J. N. Host active defense responses occur within 24 hours after pathogen inoculation in the rice blast system. *Rice Science*, 2007, 14(4): 302-310
5. **Wang, Z.**, Wang, Y., Cui, H., Xia, Y., Altosaar, I. and Shu, Q. Toxicological evaluation of transgenic rice flour with a synthetic cry1Ab gene from *Bacillus thuringiensis*. *J. Sci. Food and Agri.*, 2002, 82(7): 738-744
6. **Wang, Z.**, Shu, Q., Ye, G., Cui, H., Wu, D., Altosaar, I. and Xia, Y. Genetic analysis of resistance of Bt rice to stripe stem borer (*Chilo suppressalis*). *Euphytica*, 2002, 123(3): 379-386
7. Jia, Y., **Wang, Z.**, Fjellstrom, R.G., Moldenhauer, K.A.K., Azam, M.A., Correll, J., Lee, F.N., Xia, Y. and Rutger, J.N. Rice *Pi-ta* gene confers resistance to two major pathotypes of the rice blast fungus in the US. *Phytopathology*, 2004, 94:296-301

8. Jia, Y., **Wang, Z.** and Singh, P. Development of dominant rice blast *Pi-ta* resistance gene markers. *Crop Sci.*, 2002, 42:2145-2149
9. Wu, Y., Fu, T., **Wang, Z.**, Jiao, C., Yang, Z., Ali, B. and Zhou, W. Differential gene expression analysis of early-ripening mutants of grape (*Vitis vinifera* L.). *Scientia Horticulturae*, 2015, 194:7-17
10. Jia, Y., Redus, M. **Wang, Z.** and Rutger, J. N. Development of a SNLP marker from the *Pi-ta* blast resistance gene by tri-primer PCR. *Euphytica*, 2004, 138:97-105
11. Jia, Y., Singh, P., **Wang, Z.**, Winston, E., Wamishe, Y., Redus, M. and Rutger, J.N. Development of molecular strategies to control rice blast and sheath blight diseases. *SAAS Bulletin: Biochemistry and Biotechnology*, 2004, 17:20-34
12. Wu, D., Ye, Q., **Wang, Z.** and Xia, Y. Effect of gamma irradiation on nutritional components and Cry1Ab protein in the transgenic rice with a synthetic cry1Ab gene from *Bacillus thuringiensis*. *Radiation Physics and Chem.*, 2004, 69:79-83
13. Wu, D., Shu, Q., **Wang, Z.**, Cui, H. and Xia, Y. Quality variation and their contribution in transgenic rice with a synthetic *cry1Ab* gene from *Bacillus thuringiensis*. *Plant Breeding*, 2002, 121(3):198-202
14. Wu, D., Shu, Q., **Wang, Z.** and Xia, Y. Effect of gamma irradiation on starch viscosity and physicochemical properties of different rice. *Radiation Physics and Chem.*, 2002, 65:79-86

社会活动及学术兼职

1. 浙江省和黑龙江省自然科学基金评审专家(2011年-现在);
2. 国家创新基金评审专家(2006年-现在);
3. 中国植物生理与分子生物学学会、中国生物工程学会和中国遗传学会永久会员等