



姓名: 齐金峰 (副研究员)
地址: 昆明市蓝黑路 132 号, 中国科学院昆明植物研究所, 资源植物与生物技术重点实验室, 650201
Email: qjinfeng@mail.kib.ac.cn, qjf117@163.com
电话: 15887197717, 0871-65229552
传真: 0871-5238769
研究方向 植物与昆虫、寄生植物、微生物互作研究

简历:

齐金峰, 农学博士, 中国科学院昆明植物研究所副研究员, 硕士研究生导师。获中国科学院昆明植物研究所第三届人才培养荣誉奖励、入选中国科学院青年创新促进会会员及云南省“云岭青年人才”计划(现云南省青年千人计划)。先后主持中国博士后科学基金面上项目和特别资助项目、国家自然科学基金青年项目及面上项目、云南省科技厅基础研究面上项目、云南省优秀青年科学基金、云南省青年千人计划项目以及来自企业及高校的横向项目等。研究领域主要为玉米抗虫分子机理解析、寄生植物介导的寄主信号和微生物介导的植物抗虫反应等。

教育背景

时间	学历及获奖情况	学校及专业
	农学 博士	浙江大学
2007.9	论文: 水稻抗虫相关基因 <i>OsPLDa4/5</i> 和 <i>OsJMT1</i> 的功能解析	农业昆虫与生物防治专业
-2012.6	获奖: 优秀研究生一等奖荣誉、博士引领计划一等津贴, 浙江大学及浙江省优秀毕业生等	导师: 娄永根 教授
	农学 学士	山东农业大学
2003.9	获奖: 企业奖学金以及连续五次一等专业奖学金	
-2007.6	和学习单项奖学金, 并获得校长奖学金等	植物保护(师范)专业

工作经历

- 2018.01-至今: 中国科学院昆明植物研究所, 副研究员;
2017.01-2018.01: 中国科学院昆明植物研究所, 助理研究员;
2012.06-2016.12: 中国科学院昆明植物研究所, 博士后。

会议报告

时间, 地点	会议	报告
2010.10.11 上海	第八届全国化学生态学学术研讨会	<i>OsHI-PLD</i> participate in direct and indirect herbivore-induced defense responses in rice
2011.10.13 北京	第六届亚太化学生态学会议	Isolation and Characterization of a rice jasmonic acid carboxyl methyltransferase gene
2016.07.25 武汉	第十一届全国化学生态学学术研讨会	多组学揭示玉米特异识别粘虫口水诱导的防御反应
2018.06.23 福州	第十二届全国化学生态学学术研讨会	Ultraviolet-B enhances the resistance of multiple plant species to lepidopteran insect herbivory through the jasmonic acid pathway
2019.10.10 杭州	The 10th Conference of Asia-Pacific Association of Chemical Ecologists	The oriental armyworm (<i>Mythimna separata</i>) feeding induces systemic defence responses within and between maize leaves

发表文章:

刘树楠, 申国境, 李京, 张翠萍, Saif-UL-Malook, 吴建强, 王蕾, 宋伟, 王焱, 赵久然*, 唐国文*, **齐金峰*** (2019) 先玉335、郑单958 和京科968 抗虫能力的比较研究, 玉米科学, 27(6): 52~57

Malook, S.(#), **Qi, JF.** (#), Hettenhausen, C. (#), Xu, Y., Zhang, C., Zhang, J., Lu, C., Li, J., Wang, L., **Wu, J.*** (2019) The oriental armyworm (*Mythimna separata*) feeding induces systemic defense responses within and between maize leaves.

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Guo, JF., **Qi, JF.**, He, KL., Wu, JQ., Bai, SX., Zhang, TQ., Zhao, JR., et al. (2019). The Asian corn borer *Ostrinia furnacalis* feeding increases the direct and indirect defense of mid-whorl stage commercial maize in the field. **Plant Biotechnology Journal**. 17: 88–102

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Qi, JF., Zhang, M., Lu, CK., Hettenhausen, C., Tan, Q., Cao, G.Y., et al. (2018). Ultraviolet-B enhances the resistance of multiple plant species to lepidopteran insect herbivory through the jasmonic acid pathway. **Scientific Reports**. 8.

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Sun, G., Xu, Y., Liu, H., Sun, T., Zhang, J., Hettenhausen, C., Shen, G., **Qi, JF** Qin, Y., Li, J., Wang, L., Chang, W., Guo, Z., Baldwin, I.T., and Wu, J. (2018). Large-scale gene losses underlie the genome evolution of parasitic plant *Cuscuta australis*. **Nat Commun** 9: 2683.

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<http://www.pnas.org/content/early/2017/07/20/1704536114.short>

Wang H.(#), **Qi JF.**(#), Xiao DR., Wang ZB., Tian K., (2017) A re-evaluation of dilution for eliminating PCR inhibition in soil DNA samples, **Soil Biology and Biochemistry**, 106: 109~118. (Co-first author)

<http://www.sciencedirect.com/science/article/pii/S0038071716307763>

Qi JF.^(#), Sun GL.^(#), Wang L.^(#), Zhao CX.^(#), Hettenhausen C., Schuman M.C., . . . Wu JQ. (2016) Oral secretions from *Mythimna separata* insects specifically induce defence responses in maize as revealed by high-dimensional biological data. **Plant Cell & Environment** 39:8 1749-1766. 2016.03.16

<http://www.ncbi.nlm.nih.gov/pubmed/26991784>

Qi JF.^(#), Li JC.^(#), Han X.^(#), Li R., Wu J., Yu H., . . . Lou YG. (2015) Jasmonic acid carboxyl methyltransferase regulates development and herbivory-induced defense response in rice. **Journal of Integrative Plant Biology** 58: 564-576.

<http://www.ncbi.nlm.nih.gov/pubmed/26466818>

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Zhang DL^(#), **Qi JF.**^(#), Yue J.P., Huang J.L., Sun T., Li S.P., . . . Sun G.L. (2014) Root parasitic plant *Orobanchae aegyptiaca* and shoot parasitic plant *Cuscuta australis* obtained Brassicaceae-specific strictosidine synthase-like genes by horizontal gene transfer. *Bmc Plant Biology* 14: 19. **(Co-first author)**

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Tong X.H^(#), **Qi JF.**^(#), Zhu XD, Zeng LJ, Wang BH, Li Q, Zhou GX, Mao BZ, Lou YG, He ZH (2012) The rice hydroperoxide lyase OsHPL3 functions in defense responses by modulating the oxylipin pathway. **Plant Journal** 71: 763-775 (Co-first author)

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Zhang T, Luan JB, Qi JF, Huang CJ, Li M, Zhou XP, Liu SS (2012) Begomovirus-whitefly mutualism is achieved through repression of plant defences by a virus pathogenicity factor. **Molecular Ecology** 21: 1294-1304

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