

简 历

个人信息			
姓名	邹智	性别	男
职称	研究员		
研究所	中国热带农业科学院热带生物技术研究所		
电子邮箱	zouzhi2008@126.com		
地址	海南省海口市龙华区学院路 4 号		
电话	15203044832	传真	0898-66987892



研究方向

基因组进化与逆境适应机制；油脂代谢与调控

学习&工作经历

2001/09—2005/07，就读于西南农业大学（现西南大学）农学与生命科学院，获农学学士学位；

2005/09—2008/07，就读于中国农业科学院研究生院，作物遗传育种专业，获农学硕士学位；

2008/03—2009/05，就职于农业部农业环境质量监督检验测试中心（武汉）；

2009/05—2019/03，就职于中国热带农业科学院橡胶研究所，副研究员；

2019/03—至今，就职于中国热带农业科学院热带生物技术研究所/三亚研究院，研究员。

代表性成果

1. 论文

- (1) **Zou Z***, Zhao YG, Zhang L, Xiao YH, Guo AP*. Analysis of *Cyperus esculentus* SMP family genes reveals lineage-specific evolution and seed desiccation-like transcript accumulation during tuber maturation. *Ind Crop Prod.* 2022; 187:115382.
- (2) **Zou Z***, Zhao YG, Zhang L. Genomic insights into lineage-specific evolution of the *oleosin* family in Euphorbiaceae. *BMC Genomics.* 2022;23:178.
- (3) **Zou Z***, Yang JH, Zhang XC. Insights into genes encoding respiratory burst oxidase homologs (RBOHs) in rubber tree (*Hevea brasiliensis* Muell. Arg.). *Ind Crop Prod.* 2019;128:126–139.

2. 专著

- (1) **Zou Z***. Mining gene families in the castor bean genome. In: Rabinowicz P, Kole C, editors. *The Castor Bean Genome: Chapter 8*, 135–173. Springer Nature Switzerland AG, 2018.
- (2) **Zou Z***, Zhang XC. Genomics analysis of physic nut (*Jatropha curcas* L.) aquaporin genes and the comparison with castor bean and rubber tree. *Top 10 Contributions on Plant Biology: 2nd Edition*, Chapter 02. Avid Science, 2018.

3. 专利

- (1) 邹智, 龚俊, 杨礼富, 一种橡胶树半胱氨酸蛋白酶编码基因 *HbSAG12H1* 及其应用, 2017, 中国, ZL201410356280.X.
- (2) 邹智, 龚俊, 杨礼富, 一种诱导橡胶树叶片衰老的方法, 2015, 中国, ZL201410106701.3.
- (3) 邹智, 杨礼富, 王真辉, 袁坤, 一种橡胶树乳管表达的多酚氧化酶、其编码基因及应用, 2015, 中国, ZL201210215924.4.

4. 承担项目

- (1) 国家自然科学基金面上项目, 31971688, 橡胶树 HbPIP2;3 调控乳管水分平衡的分子机制研究, 2020/01–2023/12, 58 万元.
- (2) “崖州湾”菁英人才科技专项, SCKJ-JYRC-2022-66, 油莎豆 *CeWR11* 调控块茎油脂积累的分子机制, 2022/07–2024/7, 36 万元.
- (3) 中央级公益性科研院所基本科研业务费专项, 1630052022001, 热带作物(油莎豆)重要经济性状分子解析及基因挖掘, 2022/01–2026/12, 150 万元.

5. 获奖成果

- (1) 安锋, 邹智, 蔡秀清, 王纪坤, 林位夫, 谢贵水, 橡胶树韧皮部乳管水分平衡研究, 海南省科技进步奖, 三等奖, 2018.

CURRICULUM VITAE

Personal Information			
Name	ZOU ZHI	Gender	Male
Position Title	Professor		
Institute	Institute of Tropical Biosciences and Biotechnology, Chinese Academy of Tropical Agricultural Sciences		
Email	zouzhi2008@126.com		
Address	No. 4 Xueyuan Road, Longhua District, Haikou 571101, Hainan, P. R. China		
Tel	+86-15203044832	Fax	+86-898-66987892
Research Interest			
Plant genome evolution and stress adaptation; Lipid metabolism and regulation			
Education & Working Experience			
2001/09 – 2005/07, Southwest Agricultural University, Bachelor of Science in Agriculture;			
2005/09 – 2008/07, Graduate School of Chinese Academy of Agricultural Sciences, Master's degree in Agronomy, Major in crop Genetics and breeding;			
2008/03 – 2009/05, Agricultural Environmental Quality Supervision, Inspection and Testing Center of Ministry of Agriculture (Wuhan);			
2009/05 – 2019/03, Rubber Research Institute, Chinese Academy of Tropical Agricultural Sciences, Associate Professor;			
2019/03 – present, Institute of Tropical Biosciences and Biotechnology/Sanya Research Institute of Chinese Academy of Tropical Agricultural Sciences, Professor.			



Representative Result

1. Papers

- (1) **Zou Z***, Zhao YG, Zhang L, Xiao YH, Guo AP*. Analysis of *Cyperus esculentus* SMP family genes reveals lineage-specific evolution and seed desiccation-like transcript accumulation during tuber maturation. *Ind Crop Prod.* 2022; 187:115382.
- (2) **Zou Z***, Zhao YG, Zhang L. Genomic insights into lineage-specific evolution of the *oleosin* family in Euphorbiaceae. *BMC Genomics.* 2022;23:178.
- (3) **Zou Z***, Yang JH, Zhang XC. Insights into genes encoding respiratory burst oxidase homologs (RBOHs) in rubber tree (*Hevea brasiliensis* Muell. Arg.). *Ind Crop Prod.* **2019**;128:126–139.

2. Books

- (1) **Zou Z.** Mining gene families in the castor bean genome. In: Rabinowicz P, Kole C, editors. *The Castor Bean Genome: Chapter 8*, 135–173. Springer Nature Switzerland AG, 2018.
- (2) **Zou Z**, Zhang XC. Genomics analysis of physic nut (*Jatropha curcas* L.) aquaporin genes and the comparison with castor bean and rubber tree. *Top 10 Contributions on Plant Biology: 2nd Edition*, Chapter 02. Avid Science, 2018.

3. Patents

- (1) **Zou Z**, Gong J, Yang LF, The sequence and its application of *HbSAG12H1*, a gene encoding cysteine protease from *Hevea brasiliensis*, 2017, China, ZL201410356280.X.
- (2) **Zou Z**, Gong J, Yang LF, A method for induced senescence of *Hevea brasiliensis* leaves, 2015, China, ZL201410106701.3.
- (3) **Zou Z**, Yang LF, Wang ZH, Yuan K, The sequence and its application of a laticifer-expressed gene encoding polyphenol oxidase from *Hevea brasiliensis*, 2015, China, ZL201210215924.4.

4. Research projects

- (1) National Natural Science Foundation of China, 31971688, Regulation mechanisms of aquaporin HbPIP2;3 in the water balance of the rubber tree (*Hevea brasiliensis*) laticifer, a rubber-producing tissue, 2020/01 – 2023/12, 580000 RMB.
- (2) Project of Sanya Yazhou Bay Science and Technology City, SCKJ-JYRC-2022-66, Regulation mechanisms of *CeWR11* in the oil accumulation of tigernut (*Cyperus esculentus*) tubers, 2022/07 – 2024/7, 360000 RMB.
- (3) Central Public-interest Scientific Institution Basal Research Fund for Chinese Academy of Tropical Agricultural Sciences, 1630052022001, Molecular mechanisms and gene mining of important economic traits in tropical crops (*Cyperus esculentus*), 2022/01 – 2026/12, 1500000 RMB.

5. Awards

- (1) An F, **Zou Z**, Cai XQ, Wang JK, Lin WF, Xie GS, Study on the laticifer water balance in the phloem of *Hevea brasiliensis*, the third prize of Hainan Science and Technology Progress Award, 2018.