



## 李俊

职 称：副教授，硕士生导师

邮 箱：li\_jun@njau.edu.cn

联系电话：025-84395672

办公地址：理科楼 B832

### 研究方向：

除草剂毒理及抗药性

农田杂草防除技术

### 教育经历：

1997.09 – 2001.06 南京农业大学植物保护学院，农学学士

2001.09 – 2006.06 南京农业大学植物保护学院，农学博士

### 工作经历：

2012.12 – 今 南京农业大学植物保护学院，副教授，硕导

2016.09– 2017.09 英国华威大学生命科学院，访问学者

2006.07 –2012.11 南京农业大学植物保护学院，讲师

### 执教课程：

植物化学保护学

除草剂毒理及抗药性

## 农药生物测定

### 承担课题:

1. 国家重点研发计划, 化学肥料和农药减施增效综合技术研发, 2016.01-2020.12, 参加
2. 中央高校基本科研业务费, 小麦田日本看麦娘对精噁唑禾草灵抗药性监测及抗药性机理研究, 2015.01-2017.12, 主持
3. 公益性行业(农业)科研专项, 杂草抗药性监测及治理技术与示范, 2013.01-2017.12, 子课题主持
4. 江苏省自然科学基金青年项目, 莠草对精噁唑禾草灵抗药性的靶标酶分子机理研究, 2012.01-2015.12, 主持

### 代表性科研成果:

1. Yuan G., Xunkun P, Xutao S, Jun L, Liyao D. Is the protection of photosynthesis related to the mechanism of quinclorac resistance in *Echinochloa crusgalli* var. *zelayensis*? *Gene*, 2019, 683:133-148.
2. Yuan G., Jun Li., Xukun P., Dingrong L., Richard N., Liyao D.,. Quinclorac resistance induced by the suppression of the expression of 1-aminocyclopropane-1-carboxylic acid (ACC) synthase and ACC oxidase genes in *Echinochloa crusgalli* var. *zelayensis*. *Pesticide Biochemistry and Physiology*, 2018, published online.
3. Yuan G., Lang P., Yu S., Teng Z., Liyao D., Jun L. Resistance to quinclorac caused by the enhanced ability to detoxify cyanide and its molecular mechanism in *Echinochloa crus-galli* var. *zelayensis*. *Pesticide Biochemistry and Physiology*, 2017, 143:231-238.

4. Xu, H., Jun L., Renhai W., Wangcang S., Xibao W., Lingyue Wang., Liyao Dong. Identification of reference genes for studying herbicide resistance mechanisms in Japanese Foxtail (*Alopecurus japonicus*). Weed Science, 2017, 65(5):1-10.
5. Feng, Y., Yuan G., Yong Z., Liyao Dong., Jun L. Mechanisms of resistance to pyroxsulam and ACCase inhibitors in Japanese Foxtail (*Alopecurus japonicus*). Weed Science, 2016, 64(4):695-704.
6. Pan, L., Jun L., Wenwen X., Di Z., Liyao D. An effective method, composed of LAMP and dCAPS, to detect different mutations in fenoxaprop-P-ethyl-resistant American sloughgrass (*Beckmannia syzigachne* Steud.) populations. Pesticide Biochemistry and Physiology, 2015. 117: p. 1-8.
7. Pan, L., Jun L., Teng Z., Di Zhang., Liyao D. Cross-resistance patterns to acetyl coenzyme A carboxylase (ACCase) inhibitors associated with different ACCase mutations in *Beckmannia syzigachne*. Weed Research, 2015. 55(6): p. 609-620.
8. Pan, L., Jun L., Wenna Z., Liyao D. Detection of the I1781L mutation in fenoxaprop-p-ethyl-resistant American sloughgrass (*Beckmannia syzigachne* Steud.), based on the loop-mediated isothermal amplification method. Pest Management Science, 2015. 71(1): p. 123-130.
9. Xian W., Jun L., Hongle X., Liyao D. Factors affecting seed germination and seedling emergence of Asia Minor Bluegrass (*Polypogon fugax*). Weed Science, 2015, 63:440-447.
10. Wenwen X., Lang P., Jun L., Qiong W., Yujuan F., Liyao D. Molecular basis of ALS- and /or ACCase -inhibitor resistance in shortawn foxtail (*Alopecurus aequalis* Sobol.). Pesticide Biochemistry and Physiology. 2015, 122:76-80.

### 社会服务工作:

1. 农业农村部农药检定所农药登记田间药效试验除草剂试验技术负责人。