

姓名	王燕	性别	女	
出生日期	1982.8	职称	副教授，硕士生导师	
学历	研究生	学位	博士	
毕业院校	南京农业大学	学科专业	蔬菜学	
任课名称	园艺植物生物技术、园艺植物生物技术（双语）、园艺栽培学实验、现代科学研究技术、蔬菜育种学实验、蔬菜种质资源学			
电话	18751887137	EMAIL	wangyanhs@njau.edu.cn	
学习和工作简历	<p>教育经历：</p> <p>2011-09 至 2014-06 南京农业大学，园艺学院，博士</p> <p>2004-09 至 2007-06 南京农业大学，园艺学院，硕士</p> <p>2000-09 至 2004-06 山西农业大学，园艺学院，学士</p> <p>工作经历：</p> <p>2016-12 至今 南京农业大学，园艺学院，作物遗传与种质创新国家重点实验室，副教授</p> <p>2019-09 至 2020-09 美国康奈尔大学，植物遗传育种学系，访问学者</p> <p>2015-02 至 2016-12 南京农业大学，园艺学院，作物遗传与种质创新国家重点实验室，讲师</p> <p>2007-08 至 2015-02 温州科技职业学院，农业与生物技术系，蔬菜研究所，讲师</p> <p>主要研究方向：重点以萝卜等十字花科蔬菜为研究对象，系统进行种质资源评价与性状鉴定、优异基因发掘与种质创新、育种技术提升与品种选育等相关工作。</p>			
科研项目	<p>国家自然科学基金项目：萝卜耐盐性关键基因鉴定与生物学功能分析 主持</p> <p>中国博士后科学基金面上项目：萝卜耐盐性状关键基因 SOS1 与 NHXs 分子特征及功能解析 主持</p> <p>江苏省重点研发计划专项资金项目：优质晚抽薹萝卜新品种“南春白 8 号” 主持</p> <p>江苏省农业科技自主创新资金项目：克服萝卜自交不亲和技术创新 主持</p> <p>农业部重点实验室开放课题：萝卜 Na⁺/H⁺ 逆向转运蛋白基因分离克隆及其生物学功能验证 主持</p> <p>中央高校基本业务费项目：萝卜资源保存与研究 主持</p>			
发表论文	<p>Wang Yan[#]; Ying Jiali[#]; Zhang Yang; Xu Liang; Zhang Wanting; Ni Meng; Zhu Yuelin[*]; Liu Liwang[*]; Genome-wide identification and functional characterization</p>			

of the cation proton antiporter (CPA) family related to salt stress response in radish (*Raphanus sativus* L.), *Int J Mol Sci*, 2020, 21: 8262.

Wang Yan[#]; Song Zhaohui[#]; Zhang Wei[#]; Xu Liang; Su Xiaojun; Muleke Everlyne M'mbone; Liu Liwang^{*}; Identification and characterization of expressed TIR-and non-TIR-NBS-LRR resistance gene analogous sequences from radish (*Raphanus sativus* L.) de novo transcriptome, *Sci Hortic*, 2017, 216: 284-292.

Wang Yan[#]; Xu Liang[#]; Tang Mingjia; Jiang Haiyan; Chen Wei; Zhang Wei; Wang Ronghua; Liu Liwang^{*}; Functional and integrative analysis of the proteomic profile of radish root under Pb exposure, *Front Plant Sci*, 2016, 7: 1871.

Wang Yan[#]; Pan Yan[#]; Liu Zhe; Zhu Xianwen; Zhai Lulu; Xu Liang; Yu Rugang; Gong Yiqin; Liu Liwang^{*}; De novo transcriptome sequencing of radish (*Raphanus sativus* L.) and analysis of major genes involved in glucosinolate metabolism, *BMC Genomics*, 2013, 14:836.

Wang Yan[#]; Shen Hong[#]; Xu Liang[#]; Zhu Xianwen; Li Chao; Zhang Wei; Xie Yang; Gong Yiqin; Liu Liwang^{*}; Transport, ultrastructural localization, and distribution of chemical forms of lead in radish (*Raphanus sativus* L.), *Front Plant Sci*, 2015, 6.

Wang Yan, Xu Liang, Chen Yinglong, Shen Hong, Gong Yiqin, Limera Cecilia, Liu Liwang^{*}; Transcriptome profiling of Radish (*Raphanus sativus* L.) root and identification of genes involved in response to Lead (Pb) stress with next generation sequencing. *PLoS One*, 2013, 8(6): e66539 .

Wang Yan[#]; Liu Wei[#]; Shen Hong, Chen Yinglong, Zhai Lulu, Xu Liang, Wang Ronghua, Gong Yiqin, Limera Cecilia, Liu Liwang^{*}; Identification of radish (*Raphanus sativus* L.) miRNAs and their target genes to explore miRNA-mediated regulatory networks in lead(Pb) stress responses by high-throughput sequencing and degradome analysis. *Plant Mol Biol Rep*, 2014, 33, 358-376.

Xu Liang[#]; Wang Yan[#]; Zhang Fei; Tang Mingjia; Chen Yinglong; Wang Jin; Karanja Kinuthia Bernard; Luo Xiaobo; Zhang Wei; Liu Liwang^{*}; Dissecting root proteome changes reveals new insight into cadmium stress response in radish (*Raphanus sativus* L.), *Plant Cell Physiol*, 2017, 58: 1901–1913.

Luo Xiaobo[#]; Xu Liang[#]; **Wang Yan**; Dong Junhui; Chen Yinglong; Tang Mingjia; Fan Lianxue; Zhu Yuelin; Liu Liwang^{*}; An ultra-high density genetic map provides insights into genome synteny, recombination landscape and taproot skin color in radish (*Raphanus sativus* L.), *Plant Biotechnol J*, 2020, 18: 274–286.

Fan Lianxue, **Wang Yan**, Xu Liang, Tang Mingjia, Zhang Xiaoli, Ying Jiali, Li Cui, Dong Junhui, Liu Liwang^{*}. Genome-wide association study uncovers critical role of *RsPAP2* gene in red-skinned *Raphanus sativus* L., *Hortic Res*, 2020, 7:

164.

Sun Xiaochuan[#]; **Wang Yan[#]**; Xu Liang; Li Chao; Zhang Wei; Luo Xiaobo; Jiang Haiyan; Liu Liwang^{*}; Unraveling the root proteome changes and its relationship to molecular mechanism underlying salt stress response in radish (*Raphanus sativus* L.), *Front Plant Sci*, 2017, 8: 1192.

Li Chao[#]; **Wang Yan[#]**; Xu Liang; Nie Shanshan; Chen Yinglong; Liang Dongyi; Sun Xiaochuan; Benard K. Karanja; Luo Xiaobo; Liu Liwang^{*}; Genome-wide characterization of the MADS-box gene family in radish (*Raphanus sativus* L.) and assessment of its roles in flowering and floral organogenesis, *Front Plant Sci*, 2016, 7: 1390.

Chen Wei; **Wang Yan**; Xu Liang; Dong Junhui; Zhu Xianwen; Ying Jiali; Wang Qijiao; Fan Lianxue; Li Cui; Liu Liwang^{*}; Methyl jasmonate, salicylic acid and abscisic acid enhance the accumulation of glucosinolates and sulforaphane in radish (*Raphanus sativus* L.) taproot, *Sci Hortic*, 2019, 250:159-167.

Muleke Everlyne M'mbone[#]; Wang Yan[#]; Zhang Wanting[#]; Xu Liang; Ying Jiali; Bernard K. Karanja; Zhu Xianwen; Fan Lianxue; Zarwali Ahmadzai; Liu Liwang^{*}; Genome-wide identification and expression profiling of MYB transcription factor genes in radish (*Raphanus sativus* L.). *Journal Integr Agr*, 2021, 20 (1): 120-131.

发明专利

王燕; 应佳丽; 柳李旺; 张旸; 徐良; 萝卜耐盐基因 RsNHX1 及应用, 2020-05-01, 中国, CN111088260A.

王燕; 徐坚; 许园园; 郑岳忠; 一种基于 PCR 技术的花椰菜遗传纯度快速检测方法, 2013-08-07, 中国, ZL 201210110250.1.

柳李旺; 王燕; 龚义勤; 赵统敏; 一种基于 PCR 技术的番茄杂交种纯度检测方法, 2009-06-03, 中国, ZL 20071002004.0.

王燕; 王娟; 倪萌; 王琴; 王爽; 柳李旺; 徐良; 一种高效繁殖萝卜自交不亲和系的方法, 2021-08-16, 中国, CN202110928484.6.

获得学术奖励

王燕(5/9); 萝卜重要性状基因鉴定与优质多抗品种选育推广, 教育部, 科学技术进步奖, 二等奖, 2016

王燕(7/15); 萝卜高效育种技术体系建立与优良特色新品种选育应用, 农业农村部, 神农中华农业科技奖, 二等奖, 2019