薛大伟，男，山东人，博士，教授，硕士生导师。浙江省“151”人才工程二层次人选，杭州市“131”人才工程二层次人选，杭州市教育局系统优秀教师。

**学习工作经历：**

1996/09-2000/07，山东师范大学，学士

2000/09-2003/07，中国科学院研究生院、昆明植物研究所，硕士

2003/09-2006/07，中国农业科学院研究生院、中国水稻研究所，博士

2006/08-2008/08，浙江大学农业与生物技术学院，师资博士后

2016/07-2016/10，澳大利亚Western Sydney University，高级访问学者

2008/08-至今，杭州师范大学生命与环境科学学院，教师

**主要研究方向：**

植物分子遗传学、植物逆境生理学、植物分子生物学。

**学术兼职：**

1. 2016-至今，《Plant Growth Regulation》编委
2. 2015-至今，《Electronic Journal of Biotechnology》编委
3. 2019-至今，《Phyton-International Journal of Experimental Botany》编委

**主持项目：**

1. 国家自然科学基金委国际合作项目子项目，水稻高光效特性的遗传调控网络及育种利用（31661143006），2017-2021
2. 浙江省自然科学基金，水稻叶片早衰基因*PLS4*的图位克隆与功能分析（LY21C130007），2021-2023
3. 国家科技支撑计划子课题，耐盐新QTL/基因及相关分子标记发掘利用（2015BAD01B02-2），2015-2019
4. 国家自然科学基金，水稻少蘖矮杆基因*DFT*的克隆和功能研究（31171535），2012-2015

**代表性研究成果：**

1. Zhang X, Zhang L, Chen Y, Wang S, Fang Y, Zhang XQ, Wu Y, Xue D. Genome-wide identification of the *SOD* gene family and expression analysis under drought and salt stress in barley. **Plant Growth Regulation**, 2021, 94: 49-60
2. Fang Y, Zhang XQ, Tong T, Zhang Z, Zhang X, Tian B, Cui J, Zheng J, **Xue D**. Physiological characterization and gene mapping of a novel cuticular wax-related mutant in barley (*Hordeum vulgare* L.). **Plant Growth Regulation**, 2021, 93(2): 221-230 doi: 10.1007/s10725-020-00680-7
3. Zheng J, Zhang Z, Tong T, Fang Y, Zhang X, Niu C, Li J, Wu Y, **Xue D**, Zhang X. Genome-Wide Identification of *WRKY* Gene Family and Expression Analysis under Abiotic Stress in Barley. **Agronomy**, 2021, 11(3): 521.
4. Fang Y, Zhang X, Zhang X, Tong T, Zhang Z, Wu G, Hou L, Zheng J, Niu C, Li J, Wang W, Wang H and **Xue D**. A high-density genetic linkage map of SLAFs and QTL analysis of grain size and weight in barley (*Hordeum vulgare* L.). **Frontiers in Plant Science,** 2020, 11: 620922. doi: 10.3389/fpls.2020.620922 ISSN: 1664-462X
5. Zhang Z, Tong T, Fang Y, Zheng J, Zhang X, Niu C, Li J, Zhang X, **Xue D**. Genome-wide identification of barley ABC genes and their expression in response to abiotic stress treatment. **Plants**, 2020, 9, 1281.
6. Zhang L, Wang S, Chen Y, Dong M, Fang Y, Zhang X, Tong T, Zhang Z, Zheng J, **Xue D,** Zhang X. Genome-wide identification of the F-box gene family and expression analysis under drought and salt stress in barley. **Phyton-International Journal of Experimental Botany**, 2020, 89(2): 229-251.
7. 吕夏晨，徐玲，张蓝天，张唯一，韩泾锦，童涛，张晓勤，**薛大伟**. 褪黑素对干旱胁迫下大麦生理及蜡质基因表达的影响. **植物生理学报,** 2020, 56 (5): 1073-1080
8. Fang Yunxia, Hou Linlin, Zhang Xiaoqin, Pan Jiangjie, Ren Deyong, Zeng Dali, Guo Longbiao, Qian Qian, Hu Jiang, **Xue Dawei**. Disruption of ζ-Carotene Desaturase Protein ALE1 Leads to Chloroplast Developmental Defects and Seedling Lethality. **Journal of Agricultural and Food Chemistry**, 2019, 67: 11607-11615
9. Fang Yunxia, Deng Xiangxiong, Lu Xueli, Zheng Junjun, Jiang Hua, Rao Yuchun, Zeng Dali, Hu Jiang, Zhang Xiaoqin, **Xue Dawei**. Differential phosphoproteome study of the response to cadmium stress in rice. **Ecotoxicology and Environmental Safety**, 2019, 180: 780-788
10. Lu Xueli, Fang Yunxia, Tian Bin, Tong Tao, Wang Jiahui, Wang Hua, Cai Shengguan, Hu Jiang, Zeng Dali, Xu Heng, Zhang Xiaoqin, **Xue Dawei**. Genetic variation of *HvXYN1* associated with endoxylanase activity and TAX content in barley (*Hordeum vulgare* L.). **BMC Plant Biology**, 2019, 19: 170
11. Fang Y, Zhang X, **Xue D**. Genetic analysis and molecular breeding applications of malting quality QTLs in barley. **Frontiers in Genetics**, 2019, 10: 352
12. Zhang Xiaoqin, Tian Bin, Fang Yunxia, Tong Tao, Zheng, Junjun, **Xue Dawei**. Proteome analysis and phenotypic characterization of the lesion mimic mutant *bspl* in barley. **Plant Growth Regulation**, 2019, 87(2): 329-339
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14. **Xue D,** Zhang X, Lu X, Chen G, Chen Z-H. Molecular and evolutionary mechanisms of cuticular wax for plant drought tolerance. **Frontiers in Plant Science** 2017, 8: 621.
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22. 李家洋，钱前，王永红，矫永庆，**薛大伟，**刘贵富，王静，董国军，与植物株型相关的蛋白IPA1及其编码基因与应用，2012.11.14，中国，ZL 201010146613.8
23. 钱前，薛勇彪，**薛大伟，**李浩戈，李美娜，张光恒，曾大力，郭龙彪，水稻花分生组织控制基因EG1及其应用，2010.6.16，中国，ZL 200610053180.5