

## RESEARCH PAPERS

- Molecular characterisation of the *NAM-1* genes in bread wheat in Australia  
*Rongchang Yang, Angela Juhasz, Yujuan Zhang, Xueyan Chen, Yinjun Zhang, Maoyun She, Jingjuan Zhang, Rowan Maddern, Ian Edwards, Dean Diepeveen, Shahidul Islam, Wujun Ma* 1173
- Drought-responsive protein identification in developing grains of a wheat–*Haynaldia villosa* 6VS/6AL translocation line  
*Ruomei Wang, Jisu Wu, Xiong Deng, Dongmiao Liu, Yueming Yan* 1182
- Effects of subsoil plastic film mulch on yield and water use of rainfed winter wheat  
*Zhang Mingming, Dong Baodi, Qiao Yunzhou, Yang Hong, Wang Yakai, Liu Mengyu* 1197
- Effects of abiotic stress on anthocyanin accumulation and grain weight in purple wheat  
*Xiaolan Li, Xiang Lv, Xiaohong Wang, Liaohong Wang, Mingsheng Zhang, Mingjian Ren* 1208
- Comparative kernel growth and yield components of two- and six-row barley (*Hordeum vulgare*) under terminal drought simulated by defoliation  
*Dejan Dodig, Vesna Kandić, Miroslav Zorić, Emilija Nikolić-Đorić, Ana Nikolić, Beba Mutavdžić, Dragan Perović, Gordana Šurlan-Momirović* 1215
- Impact inoculum dosage of lactic acid bacteria on oat and wheat silage fermentation at ambient and low temperatures  
*Miao Zhang, Zhongfang Tan, Xiaojie Wang, Meiyang Cui, Yanping Wang, Zhen Jiao* 1225
- Breeding for improved blanchability in peanut: phenotyping, genotype × environment interaction and selection  
*G. C. Wright, M. G. Borgognone, D. J. O'Connor, R. C. N. Rachaputi, R. J. Henry, A. Furtado, N. L. Anglin, D. B. Freischfresser* 1237
- Effect of soluble sugar content in silique wall on seed oil accumulation during the seed-filling stage in *Brassica napus*  
*Fei Ni, Jiahuan Liu, Jing Zhang, Mohammad Nauman Khan, Tao Luo, Zhenghua Xu, Liyong Hu* 1251
- Evaluation of two groups of quinoa (*Chenopodium quinoa* Willd.) accessions with different seed colours for adaptation to the Mediterranean environment  
*Giuditta De Santis, Domenico Ronga, Federica Caradonia, Tiziana D'Ambrosio, Jacopo Troisi, Agata Rascio, Mariagiovanna Fragasso, Nicola Pecchioni, Michele Rinaldi* 1264