

## INDEX OF VOLUME 54 (2018)

## REVIEW

KELLER-PRZYBYŁKOWICZ S.E.: Structural and functional apple genomics and its application in breeding .....	147
KUMAR T., BAO A.-K., BAO Z., WANG F., GAO L., WANG S.-M.: The progress of genetic improvement in alfalfa ( <i>Medicago sativa</i> L.) .....	41

## ORIGINAL SCIENTIFIC PAPERS

EVRENOSOĞLU Y., MERTOĞLU K.: Evaluation of pear ( <i>Pyrus communis</i> L.) hybrid combinations for the transmission of fire blight resistance and fruit characteristics .....	78
FENG M., CANG J., WANG J., SUN J., YU J., XU Q., ZHANG D., YANG N., LU Q., LV Y.: Regeneration and <i>Agrobacterium</i> -mediated transformation of <i>Japonica</i> rice varieties developed for a cold region .....	161
HE P., LI L., CHENG L., WANG H., CHANG Y.: Variation in ploidy level and morphological traits in the progeny of the triploid apple variety Jonagold .....	135
JOUDI M., VAN DEN ENDE W.: Genotypic variation in pre- and post-anthesis dry matter remobilization in Iranian wheat cultivars: associations with stem characters and grain yield .....	123
KURTAR E.S., BALKAYA A., OZBAKIR OZER M.: Production of callus mediated gynogenic haploids in winter squash ( <i>Cucurbita maxima</i> Duch.) and pumpkin ( <i>Cucurbita moschata</i> Duch.) .....	9
LI Y.-M., ZHU L., ZHU H.-Y., SONG P.-Y., GUO L.-Q., YANG L.-M.: Genome-wide analysis of the <i>WRKY</i> family genes and their responses to cold stress in watermelon .....	168
MUKHERJEE P.K., MONDAL R., DUTTA S., MEENA K., ROY M., MANDAL A.B.: <i>In vitro</i> micropropagation in <i>Boehmeria nivea</i> to generate safe planting materials for large-scale cultivation .....	183
MUNIR S., QURESHI M.K., SHAHZAD A.N., MANZOOR H., SHAHZAD M.A., ASLAM K., ATHAR H.: Assessment of gene action and combining ability for fibre and yield contributing traits in interspecific and intraspecific hybrids of cotton .....	71
RAHMAN H., DAKSHINAMURTHI V., RAMASAMY S., MANICKAM S., KALIYAPERUMAL A.K., RAHA S., PANNEERSELVAM N., RAMANATHAN V., NALLATHAMBI J., SABARIAPPAN R., RAVEENDRAN M.: Introgression of submergence tolerance into CO 43, a popular rice variety of India, through marker-assisted backcross breeding .....	101
RAJA D., SARAVANA KUMAR M., RENUGA DEVI P., LOGANATHAN S., RAMYA K., KANNAN N., SUBRAMANIAN V.: Identification of molecular markers associated with genic male sterility in tetraploid cotton ( <i>Gossypium hirsutum</i> L.) through bulk segregant analysis using a cotton SNP 63K array .....	154
REN Z., LI Z., SHI L., WANG X., ZHU L., LI X., LIU D.: Molecular identification of wheat leaf rust resistance genes in sixty Chinese wheat cultivars .....	1
SONG X., FENG J., CUI Z., ZHANG C., SUN D.: Genome-wide association study for anther length in some elite bread wheat germplasm .....	109
SUN Y., CHEN X., GAN X.-Y., YAN Z.-Y., MU D.-X., WANG Q.-R.: Correlations between <i>SmCPS1</i> promoter polymorphism and tanshinone contents in <i>Salvia miltiorrhiza</i> .....	177

TONG Z., XIAO B., CHEN X., FANG D., ZHANG Y., HUANG C., LI Y.: Construction of a genetic linkage map of cigar tobacco ( <i>Nicotiana tabacum</i> L.) based on SSR markers and comparative studies .....	115
VU D.-D., BUI T.T.-X., NGUYEN T.H.-N., SHAH S.N.M., VU N.-H., ZHU Y.-H., ZHANG L., ZHANG Y., HUANG X.-H.: Isolation and characterization of polymorphic microsatellite markers in <i>Toxicodendron vernicifluum</i> .....	17
YAN J., XUE W.-T., YANG R.-Z., QIN H.-B., ZHAO G., TZION F., CHENG J.-P.: Quantitative trait loci conferring grain selenium nutrient in durum wheat × wild emmer wheat RIL population .....	52
YANG S.M., ZHANG S.H., YANG T., WANG L.: Detection of QTLs for cold tolerance at the booting stage in near-isogenic lines derived from rice landrace Lijiangxintuanheigu .....	93
YU S., LI M., XIAO Y., HUANG D., CHEN D.: Mapping QTLs for cold tolerance at seedling stage using an <i>Oryza sativa</i> × <i>O. rufipogon</i> backcross inbred line population .....	59
ZHOU Y., LI H., ZHANG P.-P., WANG L., LI Z.-F.: Molecular mapping of leaf rust resistance gene <i>LrL224</i> in Chinese wheat cultivar L224-3 .....	65

### SHORT COMMUNICATIONS

CROSS J.M., KARAAT F.E., İNCEOĞLU F., MURATHAN Z.T., ASMA B.M.: New late ripening apricot genotypes from a multipurpose apricot breeding programme in Turkey .....	34
DEPTA A., KURSA K., DOROSZEWSKA T., LASKOWSKA D., TROJAK-GOLUCH A.: Reaction of <i>Nicotiana</i> species and cultivars of tobacco to <i>Tobacco mosaic virus</i> and detection of the <i>N</i> gene that confers hypersensitive resistance .....	14
GREVENIOTIS V., SIOKI E., IPSILANDIS C.G.: Estimations of fibre trait stability and type of inheritance in cotton .....	190
MENG J., LI C., ZHAO M., WANG C., RU Y., CUI Z., HAN Y.: Lignin biosynthesis regulated by the antisense <i>4CL</i> gene in alfalfa .....	26
NADERPOUR M., SADEGHI L.: Multiple DNA markers for evaluation of resistance against <i>Potato virus Y</i> , <i>Potato virus S</i> and <i>Potato leafroll virus</i> .....	30
PATZAK J., HENYCHOVÁ A.: Evaluation of genetic variability within actual hop ( <i>Humulus lupulus</i> L.) cultivars by an enlarged set of molecular markers .....	86

### NEW VARIETIES

MEZLÍK T.: List of field crop varieties registered in the Czech Republic in 2017 .....	39
--	----

## AUTHORS INDEX

- ASLAM K. ... 71  
ASMA B.M. ... 34  
ATHAR H. ... 71  
  
BALKAYA A. ... 9  
BAO A.-K. ... 41  
BAO Z. ... 41  
BUI T.T.-X. ... 17  
  
CANG J. ... 161  
CHANG Y. ... 135  
CHEN D. ... 59  
CHEN X. ... 115, 177  
CHENG J.-P. ... 52  
CHENG L. ... 135  
CROSS J.M. ... 34  
CUI Z. ... 26, 109  
  
DAKSHINAMURTHI V. ... 101  
DEPTA A. ... 14  
DOROSZEWSKA T. ... 14  
DUTTA S. ... 183  
  
EVRENOSOĞLU Y. ... 78  
  
FANG D. ... 115  
FENG J. ... 109  
FENG M. ... 161  
  
GAN X.-Y. ... 177  
GAO L. ... 41  
GREVENIOTIS V. ... 190  
GUO L.-Q. ... 168  
  
HAN Y. ... 26  
HE P. ... 135  
HENYCHOVÁ A. ... 86  
HUANG C. ... 115  
HUANG D. ... 59  
HUANG X.-H. ... 17  
  
İNCEOĞLU F. ... 34  
IPSILANDIS C.G. ... 190  
  
JOUDI M. ... 123  
  
KALIYAPERUMAL A.K. ... 101  
KANNAN N. ... 154  
KARAAT F.E. ... 34  
KELLER-PRZYBYŁKOWICZ S.E. ... 147  
KUMAR T. ... 41  
KURSA K. ... 14  
KURTAR E.S. ... 9  
  
LASKOWSKA D. ... 14  
LI C. ... 26  
LI H. ... 65  
LI L. ... 135  
LI M. ... 59  
LI X. ... 1  
LI Y. ... 115  
LI Y.-M. ... 168  
LI Z. ... 1  
LI Z.-F. ... 65  
LIU D. ... 1  
LOGANATHAN S. ... 154  
LU Q. ... 161  
Lv Y. ... 161  
  
MANDAL A.B. ... 183  
MANICKAM S. ... 101  
MANZOOR H. ... 71  
MEENA K. ... 183  
MENG J. ... 26  
MERTOĞLU K. ... 78  
MEZLÍK T. ... 39  
MONDAL R. ... 183  
MU D.-X. ... 177  
MUKHERJEE P.K. ... 183  
MUNIR S. ... 71  
MURATHAN Z.T. ... 34  
  
NADERPOUR M. ... 30  
NALLATHAMBI J. ... 101  
NGUYEN T.H.-N. ... 17

OZBAKIR OZER M. ...	9	VAN DEN ENDE W. ...	123
PANNEERSELVAM N. ...	101	VU D.-D. ...	17
PATZAK J. ...	86	VU N.-H. ...	17
QIN H.-B. ...	52	WANG C. ...	26
QURESHI M.K. ...	71	WANG F. ...	41
RAHA S. ...	101	WANG H. ...	135
RAHMAN H. ...	101	WANG J. ...	161
RAJA D. ...	154	WANG L. ...	65, 93
RAMANATHAN V. ...	101	WANG Q.R. ...	177
RAMASAMY S. ...	101	WANG S.-M. ...	41
RAMYA K. ...	154	WANG X. ...	1
RAVEENDRAN M. ...	101	XIAO B. ...	115
REN Z. ...	1	XIAO Y. ...	59
RENUGA DEVI P. ...	154	XU Q. ...	161
ROY M. ...	183	XUE W.-T. ...	52
RU Y. ...	26	YAN J. ...	52
SABARIAPPAN R. ...	101	YAN Z.-Y. ...	177
SADEGHI L. ...	30	YANG L.-M. ...	168
SARAVANA KUMAR M. ...	154	YANG N. ...	161
SHAH S.N.M. ...	17	YANG R.-Z. ...	52
SHAHZAD A.N. ...	71	YANG S.M. ...	93
SHAHZAD M.A. ...	71	YANG T. ...	93
SHI L. ...	1	YU J. ...	161
SIOKI E. ...	190	YU S. ...	59
SONG P.-Y. ...	168	ZHANG C. ...	109
SONG X. ...	109	ZHANG D. ...	161
SUBRAMANIAN V. ...	154	ZHANG L. ...	17
SUN D. ...	109	ZHANG P.-P. ...	65
SUN J. ...	161	ZHANG S.H. ...	93
SUN Y. ...	177	ZHANG Y. ...	17, 115
TONG Z. ...	115	ZHAO G. ...	52
TROJAK-GOLUCH A. ...	14	ZHAO M. ...	26
TZION F. ...	52	ZHOU Y. ...	65
		ZHU H.-Y. ...	168
		ZHU L. ...	1, 168
		ZHU Y.-H. ...	17