

**INDEX OF VOLUME 56 (2020)****ORIGINAL SCIENTIFIC PAPERS**

- AB RAZAK S., NOR AZMAN N.H.E., KAMARUZAMAN R., SAIDON S.A., MOHD YUSOF M.F., ISMAIL S.N., JAAFAR M.A., ABDULLAH N.: Genetic diversity of released Malaysian rice varieties based on single nucleotide polymorphism markers ..... 62
- BAHARI Z., SAZEGARI S., NIAZI A., AFSHARIFAR A.: The application of an *Agrobacterium*-mediated *in planta* transformation system in a *Catharanthus roseus* medicinal plant ..... 34
- BARÁNKOVÁ K., SOTOLÁŘ R., BARÁNEK M.: Identification of rare traditional grapevine cultivars using SSR markers and their geographical location within the Czech Republic ..... 71
- ERPELDING J.E.: Genetic characterisation of the petal spot phenotype for *Gossypium arboreum* accession PI 408798 ..... 79
- GREVENIOTIS V., SIOKI E., ZOTIS S., IPSILANDIS C.: A breeding concept to improve the performance of locally cultivated bread wheat (*Triticum aestivum* L.) cultivars ..... 1
- HANZALOVÁ A., DUMALASOVÁ V., ZELBA O.: Wheat leaf rust (*Puccinia triticina* Eriks.) virulence frequency and detection of resistance genes in wheat cultivars registered in the Czech Republic in 2016–2018 ..... 87
- KANBAR O.Z., LANTOS C., CHEGE P.K., KISS E., PAUK J.: Generation of doubled haploid lines from winter wheat (*Triticum aestivum* L.) breeding material using *in vitro* anther culture ..... 150
- KRISNAWATI A., SOEGIANTO A., WALUYO B., KUSWANTO: The pod shattering resistance of soybean lines based on the shattering incidence and severity ..... 111
- KSELÍKOVÁ V., VYHNÁNEK T., HANÁČEK P., MARTINEK P.: Grain hardness in triticale: a physical and molecular evaluation ..... 102
- LAN B., YANG Y.-Q., SUN Q., CHEN H.-F., CHEN J., HUANG Y.-H., HUO G.-H., LI X.M.: Study of pathogenicity and genetic diversity of *Magnaporthe oryzae* isolated from rice hybrid Wuyou 308 and detection of resistance genes ..... 93
- LI S.Q., TANG H.P., ZHANG H., MU Y., LAN X.J., MA J.: A 1BL/1RS translocation contributing to kernel length increase in three wheat recombinant inbred line populations ..... 43
- PALICOVÁ J., MATUŠINSKÝ P., HANZALOVÁ A., SVAČINOVÁ I., DUMALASOVÁ V., CHRPOVÁ J.: Reaction of winter wheat cultivars to eyespot assessed visually and by real-time PCR ..... 9
- PATZAK J., HENYCHOVÁ A., SVOBODA P., MALÍŘOVÁ I.: Assessment of epigenetic methylation changes in hop (*Humulus lupulus*) plants obtained by meristem culture ..... 159
- PETRAUSKAS G., NORKEVIČIENĖ E., STUKONIS V., KEMEŠYTĖ V.: Phenotypic traits for wild red clover seed yield under drought conditions ..... 140
- SCHÖNLEBEN M., MENTSCHEL J., STŘELEC L.: Potentials to breed for improved fibre digestibility in temperate Czech maize (*Zea mays* L.) germplasm ..... 133
- YANG C.C., MA J., LI C., SUN M., ZOU Y.Y., LI T., MU Y., TANG H.P., LAN X.J.: The development and validation of new DNA markers linked to the thousand-grain weight QTL in bread wheat (*Triticum aestivum* L.) ..... 52

YU Y., PENG Z.S., QU J.P., CHEN Z.Y., WEI S.H., LIAO M.L., ZHANG L., YANG Z.J.: Comparative metabolomics and transcriptomics of pistils, stamens and pistillloid stamens widen key knowledge of pistil and stamen development in wheat ..... 24

ZAKERI HADDADAN A., GHAFFARI M., MAJIDI HERVAN E., ALIZADEH B.: Impact of parent inbred lines on heterosis expression for agronomic characteristics in sunflower ..... 123

ZHOU Y., LI G., ZHANG L., XU J., HU L., JIANG L., LIU S.: Comprehensive genomic analysis and expression profiling of the BTB and TAZ (*BT*) genes in cucumber (*Cucumis sativus* L.) ..... 15

#### SHORT COMMUNICATIONS

KARAPETSI L., NIANIOU-OBEIDAT I., ZAMBOUNIS A., OSATHANUNKUL M., MADEISIS P.: Molecular screening of domestic apple cultivars for scab resistance genes in Greece ..... 165

SUN J., WANG J., SU D., YANG J., WANG E., WU S., LI M., MA L.: Discrimination of tobacco cultivars using SCAR and RAPD markers ..... 170

#### BIOGRAPHICAL NOTICE

HANZALOVÁ A., REIMAROVÁ H.: Ing. Pavel Bartoš, DrSc. – 90<sup>th</sup> birthday ..... 84

#### NEW VARIETIES

MEZLÍK T.: List of field crop varieties registered in the Czech Republic in 2019 ..... 85

## AUTHORS INDEX

- AB RAZAK S. ... 62  
ABDULLAH N. ... 62  
AFSHARIFAR A. ... 34  
ALIZADEH B. ... 123  
  
BAHARI Z. ... 34  
BARÁNEK M. ... 71  
BARÁNKOVÁ K. ... 71  
  
CHEGE P.K. ... 150  
CHEN H.-F. ... 93  
CHEN J. ... 93  
CHEN Z.Y. ... 24  
CHRPOVÁ J. ... 9  
  
DUMALASOVÁ V. ... 9, 87  
  
ERPELDING J.E. ... 79  
  
GHAFFARI M. ... 123  
GREVENIOTIS V. ... 1  
  
HANÁČEK P. ... 102  
HANZALOVÁ A. ... 9, 84, 87  
HENYCHOVÁ A. ... 159  
Hu L. ... 15  
HUANG Y.-H. ... 93  
HUO G.-H. ... 93  
  
IPSILANDIS C. ... 1  
ISMAIL S.N. ... 62  
  
JAAFAR M.A. ... 62  
JIANG L. ... 15  
  
KAMARUZAMAN R. ... 62  
KANBAR O.Z. ... 150  
KARAPETSI L. ... 165  
KEMEŠYTÉ V. ... 140  
KISS E. ... 150  
KRISNAWATI A. ... 111  
KSELÍKOVÁ V. ... 102  
KUSWANTO ... 111  
  
LAN B. ... 93  
LAN X.J. ... 43, 52  
LANTOS C. ... 150  
LI C. ... 52  
LI G. ... 15  
LI M. ... 170  
LI S.Q. ... 43  
LI T. ... 52  
LI X.M. ... 93  
LIAO M.L. ... 24  
LIU S. ... 15  
  
MA J. ... 43, 52  
MA L. ... 170  
MADESIS P. ... 165  
MAJIDI HERVAN E. ... 123  
MALÍŘOVÁ I. ... 159  
MARTINEK P. ... 102  
MATUŠINSKÝ P. ... 9  
MENTSCHEL J. ... 133  
MEZLÍK T. ... 85  
MOHD YUSOF M.F. ... 62  
MU Y. ... 43, 52  
  
NIANIOU-OBEIDAT I. ... 165  
NIAZI A. ... 34  
NOR AZMAN N.H.E. ... 62  
NORKEVIČIENĖ E. ... 140  
  
OSATHANUNKUL M. ... 165  
  
PALICOVÁ J. ... 9  
PATZAK J. ... 159  
PAUK J. ... 150  
PENG Z.S. ... 24  
PETRAUSKAS G. ... 140  
  
QU J.P. ... 24  
  
REIMAROVÁ H. ... 84  
  
SAIDON S.A. ... 62  
SAZEGARI S. ... 34

- SCHÖNLEBEN M. ... 133  
SIOKI E. ... 1  
SOEGIANTO A. ... 111  
SOTOLÁŘ R. ... 71  
STŘELEC L. ... 133  
STUKONIS V. ... 140  
SU D. ... 170  
SUN J. ... 170  
SUN M. ... 52  
SUN Q. ... 93  
SVAČINOVÁ I. ... 9  
SVOBODA P. ... 159  
TANG H.P. ... 43, 52  
VYHNÁNEK T. ... 102  
WALUYO B. ... 111  
WANG E. ... 170  
WANG J. ... 170  
WEI S.H. ... 24  
WU S. ... 170  
XU J. ... 15  
YANG C.C. ... 52  
YANG J. ... 170  
YANG Y.-Q. ... 93  
YANG Z.J. ... 24  
YU Y. ... 24  
ZAKERI HADDADAN A. ... 123  
ZAMBOUNIS A. ... 165  
ZELBA O. ... 87  
ZHANG H. ... 43  
ZHANG L. ... 15, 24  
ZHOU Y. ... 15  
ZOTIS S. ... 1  
ZOU Y.Y. ... 52