INDEX OF VOLUME 56 (2020)

ORIGINAL SCIENTIFIC PAPERS


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., Báránek 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., Siokí E., Zottis 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., Vyháněk T., Hanáček P., Martinek P.: Grain hardness in triticale: a physical and molecular evaluation ............................................................................................................................................................................................................. 102


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., Matušínský 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

Zakeri Haddadan A., Ghaffari M., Majidi Hervan E., Alizadeh B.: Impact of parent inbred lines on heterosis expression for agronomic characteristics in sunflower ................................................................. 123


SHORT COMMUNICATIONS

Karapetsi L., Nianiou-Obeidat I., Zambounis A., Osathanunkul M., Madesis P.: Molecular screening of domestic apple cultivars for scab resistance genes in Greece .......................................................... 165


BIOGRAPHICAL NOTICE

Hanzalová A., Reimarová H.: Ing. Pavel Bartoš, DrSc. – 90th 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
Kemešytė 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
Reimarošová H. ... 84
Saidon S.A. ... 62
Sazegari S. ... 34
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schönleben M.</td>
<td>133</td>
</tr>
<tr>
<td>Sioki E.</td>
<td>1</td>
</tr>
<tr>
<td>Soegianto A.</td>
<td>111</td>
</tr>
<tr>
<td>Sotolář R.</td>
<td>71</td>
</tr>
<tr>
<td>Střelec L.</td>
<td>133</td>
</tr>
<tr>
<td>Stukonis V.</td>
<td>140</td>
</tr>
<tr>
<td>Su D.</td>
<td>170</td>
</tr>
<tr>
<td>Sun J.</td>
<td>170</td>
</tr>
<tr>
<td>Sun M.</td>
<td>52</td>
</tr>
<tr>
<td>Sun Q.</td>
<td>93</td>
</tr>
<tr>
<td>Svačinová I.</td>
<td>9</td>
</tr>
<tr>
<td>Svoboda P.</td>
<td>159</td>
</tr>
<tr>
<td>Tang H.P.</td>
<td>43, 52</td>
</tr>
<tr>
<td>Vyhnánek T.</td>
<td>102</td>
</tr>
<tr>
<td>Waluyo B.</td>
<td>111</td>
</tr>
<tr>
<td>Wang E.</td>
<td>170</td>
</tr>
<tr>
<td>Wang J.</td>
<td>170</td>
</tr>
<tr>
<td>Wei S.H.</td>
<td>24</td>
</tr>
<tr>
<td>Wu S.</td>
<td>170</td>
</tr>
<tr>
<td>Xu J.</td>
<td>15</td>
</tr>
<tr>
<td>Yang C.C.</td>
<td>52</td>
</tr>
<tr>
<td>Yang J.</td>
<td>170</td>
</tr>
<tr>
<td>Yang Y.-Q.</td>
<td>93</td>
</tr>
<tr>
<td>Yang Z.J.</td>
<td>24</td>
</tr>
<tr>
<td>Yu Y.</td>
<td>24</td>
</tr>
<tr>
<td>Zakeri Haddadan A.</td>
<td>123</td>
</tr>
<tr>
<td>Zambounis A.</td>
<td>165</td>
</tr>
<tr>
<td>Zelba O.</td>
<td>87</td>
</tr>
<tr>
<td>Zhang H.</td>
<td>43</td>
</tr>
<tr>
<td>Zhang L.</td>
<td>15, 24</td>
</tr>
<tr>
<td>Zhou Y.</td>
<td>15</td>
</tr>
<tr>
<td>Zotis S.</td>
<td>1</td>
</tr>
<tr>
<td>Zou Y.Y.</td>
<td>52</td>
</tr>
</tbody>
</table>