

## Články v impaktovaných časopisech obsažených v databázi Web of Science

### 2018

BLAŽEK, J., L. ZELENÝ and J. KŘELINOVÁ. Long term cropping and selected tree parameters of 15 apple cultivars. *Horticultural Science*. 2018, **45**(1): 11–17. DOI: 10.17221/31/2017-HORTSCI.

BLAŽEK, J., L. ZELENÝ and J. KŘELINOVÁ. Productivity and tree performance of new plum cultivars from the Czech Republic. *Horticultural Science*. 2018, **45**(2): 64–68. ISSN 0862-867X.

BOHUNICKÁ M., L. VALENTOVÁ, J. SUCHÁ, T. NEČAS, A. EICHMEIER, T. KISS and R. ČMEJLA. Identification of 17 'Candidatus *Phytoplasma pyri*' genotypes based on the diversity of the imp gene sequence. *Plant Pathology*. 2018, **67**(4): 971–974. DOI: 10.1111/ppa.12805.

FRÁNOVÁ, J., O. LENZ, J. PŘIBYLOVÁ, J. ŠPAK, I. KOLONIUK, J. SUCHÁ and F. PAPRŠTEIN. 'Candidatus *Phytoplasma asteris*' and 'Candidatus *Phytoplasma mali*' strains infecting sweet and sour cherry in the Czech Republic. *Journal of Phytopathology*. 2018, **166**(1): 59–66. DOI: 10.1111/jph.12661.

SKLENÁŘOVÁ, H., A. BÍLKOVÁ, M. PECHOVÁ and P. CHOCHOLOUŠ. Determination of major phenolic compounds in apples: Part I-Optimization of high-performance liquid chromatography separation with diode array detection. *Journal of Separation Science*. 2018, **41**(15): 3042–3050. ISSN 1615-9306. DOI: 10.1002/jssc.201800302.

### 2017

STRUNECKÝ, O., M. BOHUNICKÁ, J.R. JOHANSEN, K. ČAPKOVÁ, L. RAABOVÁ, P. DVOŘÁK and J. KOMÁREK. A revision of the genus *Geitlerinema* and a description of the genus *Anagnostidunema* gen. Nov. (*Oscillatoriothycidae*, *Cyanobacteria*). *Fottea*. 2017, **17**(1): 114–126.

NAWIRSKA-OLSZAŃSKA, A., J. KOLNIAK-OSTEK, M. OZIEMBŁOWSKI, A. TICHÁ, R. HYŠPLER, Z. ZADÁK, P. ŽIDOVÁ and F. PAPRŠTEIN. Comparison of old cherry cultivars grown in Czech Republic by chemical composition and bioactive compounds. *Food Chemistry*. 2017, (228): 136–142.

ŠMÍDOVÁ, B., D. ŠATÍNSKÝ, K. DOSTÁLOVÁ and P. SOLICH. The pentafluorophenyl stationary phase shows a unique separation efficiency for performing fast chromatography determination of highbush blueberry anthocyanins. *Talanta*. 2017, **166**: 249–254.

SHALYGIN, S., R. SHALYGINA, J.R. JOHANSEN, N. PIETRASIAK, E. B. GÓMEZ, M. BOHUNICKÁ, J. MAREŠ and CH.A. SHEIL. *Cyanomargarita* gen. Nov. (*Nostocales*, *cyanobacteria*): convergent

evolution resulting in a cryptic genus1. *Journal of Phycology*. 2017, **53**(4): 762–777. ISSN 1529-8817.

ŠPAK, J., J. PŘIBYLOVÁ, D. ŠAFÁŘOVÁ, O. LENZ, I. KOLONIUK, M. NAVRÁTIL, J. FRÁNOVÁ, V. ŠPAKOVÁ and F. PAPRŠTEIN. Cherry necrotic rusty mottle and Cherry green ring mottle viruses in Czech cherry germplasm. *Plant Protection Science*. 2017, **53**(4): 195–200. ISSN 1212-2580. DOI: 10.17221/160/2016-PPS.

VÍTOVÁ, E., K. SŮKALOVÁ, M. MAHDALOVÁ, L. BUTOROVÁ, A. MATĚJÍČEK and J. KAPLAN. Influence of volatile compounds on flavour of selected cultivars of gooseberry. *Chemical Papers*. 2017, **71**(10): 1895-1908.

URRESTARAZU, J., H. MURANTY, C. DENANCÉ, D. LEFORESTIER, E. RAVON, A. GUYADER, R. GUISEL, L. FEUGEY, S. AUBOURG J.M. CELTON, N. DACCORD, L. DONDINI, R. GREGORI, M. LATEUR, P. HOUBEN, M. ORDIDGE, F. PAPRSTEIN, J. SEDLAK, H. NYBOM, L. GARKAVA-GUSTAVSSON, M. TROGGIO, L. BIANCO, R. VELASCO, CH. PONCET, A. THÉRON, S. MORIYA, M. C. A. M. BINK, F. LAURENS, S. TARTARINI and CH.E. DUREL. Genome-Wide Association Mapping of Flowering and Ripening Periods in Apple. *Frontiers in Plant Science*. 2017, **8**: 1923. DOI: 10.3389/fpls.2017.01923.

ŠAFÁŘOVÁ, D., C. FAURE, A. MARAIS, J. SUCHÁ, F. PAPRŠTEIN, M. NAVRÁTIL and T. CANDRESSE. First report of Prunus virus F infecting sour cherry in the Czech Republic. *Plant Disease*. 2017, **101**(10): 1828-1829.

## 2016

URRESTARAZU, J., C. DENANCÉ, E. RAVON, A. GUYADER, R. GUISEL, L. FEUGEY, CH. PONCET, M. LATEUR, P. HOUBEN, M. ORDIDGE, F. FERNANDEZ-FERNANDEZ, K. M. EVANS, F. PAPRSTEIN, J. SEDLAK, *et al.* Analysis of the genetic diversity and structure across a wide range of germplasm reveals prominent gene flow in apple at the European level. *BCM Plant Biology*. 2016, **16**: 130. DOI: 10.1186/s12870-016-0818-0.

MLADĚNKA, P., M. ŘÍHA, J. MARTIN, B. GOROVÁ, A. MATĚJÍČEK and J. SPILKOVÁ. Fruit extracts of 10 varieties of elderberry (*Sambucus nigra* L.) interact differently with iron and copper. *Phytochemistry Letters*. 2016, **18**: 232–238. ISSN 1874-3900.

BLAŽEK, J., L. ZELENÝ and J. KŘELINOVÁ. Heritability of Powdery Mildew and Scab Resistance within Apple Progenies. *Plant Protection Science*. 2016, **52**(2): 123–127. ISSN 1212-2580.

BLAŽEK J., L. ZELENÝ a J. KŘELINOVÁ. Precocity and a long-term cropping in apple progenies grown on M 9 rootstock. *Horticultural Science*. 2016, **43**(4): 167–174. ISSN 0862-867X.

SHARMA, K., A.M. CACHI, P. SEDLÁK, A. SKŘIVANOVÁ and A. WÜNSCH. S-genotyping of 25 sweet cherry (*Prunus avium* L.) cultivars from the Czech Republic. *The Journal of Horticultural Science and Biotechnology*. 2016, **91**(2): 117–121. ISSN 1462-0316.

LOŠÁK, T., J. HLUŠEK, T. VÁLKA, J. ELBL, J., T. VÍTĚZ, H. BĚLÍKOVÁ and E. von BENNEWITZ. The effect of fertilisation with digestate on kohlrabi yields and quality. *Plant, Soil and Environment*. 2016, **62**(6): 274–278. ISSN 1214-1178.

## 2015

SEDLÁK, J., F. PAPRŠTEIN, J. KORBA and J. ŠILEROVÁ. Development of a system for testing apple resistance to *Erwinia amylovora* using *in vitro* culture techniques. *Plant Protection Science*. 2015, **51**(1): 1–5. ISSN 1212-1580.

DIVIŠ, P., J. POŘÍZKA, M. VESPALCOVÁ, A. MATĚJÍČEK and J. KAPLAN. Elemental composition of fruits from different Black elder (*Sambucus nigra* L.) cultivars grown in the Czech Republic. *Journal of Elementology*. 2015, **20**(3): 549–557. DOI:10.5601/jelem.2015.20.1.758.

BLAŽEK, J., F. PAPRŠTEIN and J. KŘELINOVÁ. Heritability of flowering time within apple progeny. *Czech Journal of Genetics Plant Breeding*. 2015, **51**(1): 23–28. ISSN 1212-1975.

PAPRŠTEIN, F. and J. SEDLÁK. *In vitro* multiplication of lingonberry. Short Communication. *Horticultural Science*. 2015, **42**(2): 102–106. ISSN 0862-867.

PAPRŠTEIN, F., V. HOLUBEC and J. SEDLÁK. Inventory and conservation of fruit tree landraces as cultural heritage of Bohemian Forest (Czech Republic), indicators for former settlements of ethnic minorities. *Genetic Resources and Crop Evolution*. 2015, **62**(1): 5–11. ISSN 0925-9864.

MÉSZÁROS, M., J. KOSINA, L. LAŇAR a J. NÁMĚSTEK. Long-term evaluation of growth and yield of Stanley and Cacanska lepotica plum cultivars on selected rootstocks. *Horticultural Science*. 2015, **42**(1): 22–28. ISSN 0862-867.

BLAŽEK, J., F. PAPRŠTEIN, L. ZELENÝ and J. KŘELINOVÁ. Results of public tasting of apple novelties at the end of the storage seasons during the last 10 years. *Horticultural Science*. 2015, **42**(2): 53–60. ISSN 0862-867.

ZLÁMALOVÁ, T., J. ELBL, M. BAROŇ, H. BĚLÍKOVÁ, L. LAMPÍŘ, J. HLUŠEK and T. LOŠÁK. Using foliar applications of magnesium and potassium to improve yields and some qualitative parameters of vine grapes (*Vitis vinifera* L.). *Plant, Soil and Environmental*. 2015, **61**(10): 451–457.