Zoznam publikačnej činnosti

RNDr. Božena Šerá, Ph.D.

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 Šerá, Božena [UKOPREEM] (100%) : Mezidruhové vztahy rostlin z pohledu jejich kořenových systémů
In: Kořenový systém rostlin pro 21. století. - Brno : Mendelova univerzita v Brně, 2018. - S. 89-100 [1,2 AH]. - ISBN 978-80-7509-645-6
Svejkovská, Adéla [rec.]
Dostál, Vítězslav [rec.]

ABC02 Šerá, Božena [UKOPREEM] (75%) - Masarovičová, Elena [UKOPREPE] (25%): Vztah podzemní a nadzemní části rostlin vzhledem k ekologickým strategiím
UKOVO2019. - Úplný text
In: Kořenový systém rostlin pro 21. století. - Brno : Mendelova univerzita v Brně, 2018. - S. 47-60 [1,6 AH]. - ISBN 978-80-7509-645-6
Svejkovská, Adéla [rec.]
Dostál, Vítězslav [rec.]

ABC03 Šerá, Božena [UKOPREEM] (100%) : Problematika anatomie, morfologie a architektury podzemních orgánů ve vazbě na jejich funkce
UKOVO2019. - Úplný text
In: Kořenový systém rostlin pro 21. století. - Brno : Mendelova univerzita v Brně, 2018. - S. 77-87 [1,1 AH]. - ISBN 978-80-7509-645-6
Svejkovská, Adéla [rec.]
Dostál, Vítězslav [rec.]

ADC Vedecké práce v zahraničných karentovaných časopisoch

ADC01 Šerá, Božena [UKOPREEM] (80%) - Šerý, Michal (20%): Number and weight of seeds and reproductive strategies of herbaceous plants
Lit.: 59 zázn., 3 obr., 3 tab.
In: Folia Geobotanica. - Vol. 39, No. 1 (2004), s. 27-40. - ISSN 1211-9520
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2004=0,968
Ohlasy (33):
[o1] 2004 Klimesova, J. - Martinkova, J. - Kocvarova, M.: Biological flora of Central Europe: Rorippa palustris (L.) Besse. In: Flora, Vol. 199, No. 6, 2004, s. 453-463 – SCOPUS ; SCI
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[o1] 2006 Edwards, W.: Plants reward seed dispersers in proportion to their effort: The relationship between pulp mass and seed mass in vertebrate dispersed plants. In: Evolutionary Ecology, Vol. 20, No. 4, 2006, s. 365-376 – SCOPUS ; SCI
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ADC02 Straňák, V. (55%) - Tichý, M. (10%) - Kříha, V. (10%) - Scholtz, V. (10%) - Šerá, Božena [UKOPREEM] (10%) - Špatenka, P. (5%): Technological applications of surfatron produced discharge
Lit.: 18 zázn., 8 obr., 1 tab.
In: Journal of Optoelectronics and Advanced Materials. - Vol. 9, No. 4 (2007), s. 852-857. - ISSN 1454-4164
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2007=0,827
Ohlasy (6):
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ADC03 Pavela, Roman (50%) - Vrchotová, Naděžda (30%) - Šerá, Božena [UKOPREEM] (20%): Growth inhibitory effect of extracts from Reynoutria sp plants against Spodoptera littoralis larvae = Efecto inhibitorio del crecimiento de los extractos de plantas deReynoutria sp. contra larvas de Spodoptera littoralis
Lit.: 39 zázn., 9 tab.
In: Agrociencia. - Vol. 42, No. 5 (2008), s. 573-584. - ISSN 1405-3195
Registrované v: wos
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Indikátor časopisu:
IF (JCR) 2008=0,232
Ohlasy (21):
[o1] 2010 Silva-Aguayo, G. - Rodrguez-Maciel, J.C. - Lagunes-Tejeda, A. - Llanderal-Czares, C. - Alatorre-Rosas, R. - Shelton, A.M. - Blanco, C.A.: Bioactivity of boldo (Peumus boldus Molina) (Laurales: Monimiaceae) on Spodoptera frugiperda(J.E. Smith) and Helicoverpa zea (Boddie) (Lepidoptera: Noctuidae). In: Southwestern Entomologist, Vol. 35, No. 3, 2010, s. 215-231 - SCOPUS
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[o1] 2018 Laznik, Z. - Bohinc, T. - Trdan, S.: Applicability of invasive alien plants in controlling harmful organisms of cultivated plants. In: Acta Agriculturae Slovenica, Vol. 111, No. 2, 2018, s. 501-509 - SCOPUS
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Antifungal Activity Toxicityagainst Major Phyto-Pathogens of Apple Orchards. In: Pharmaceutical Research, Vol. 37, No. 12, 2020, Art. No. 246 - SCOPUS
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[o1] 2020 de Menezes, C.W.G. - Carvalho, G.A. - Alves, D.S. - de Carvalho, A.A. - Aazza, S. - de Oliveira Ramos, V. - Pinto, J.E.B.P. - Bertolucci, S.K.V.: Biocontrol potential of methyl chavicol for managing Spodoptera frugiperda (Lepidoptera: Noctuidae), an important corn pest. In: Environmental Science and Pollution Research, Vol. 27, No. 5, 2020, s. 5030-5041 - SCOPUS
[o1] 2020 Laznik, Z. - Bohinc, T. - Franin, K. - Majic, I. - Trdan, S.: Efficacy of invasive alien plants in controlling arionidae slugs. In: Spanish Journal of Agricultural Research, Vol. 18, No. 1, 2020, Art. No. e1001 - SCOPUS

ADC04 Šerá, Božena [UKOPREEM] (50%) - Straňák, Vítězslav (20%) - Šerý, Michal (20%) - Tichý, Michal (5%) - Špatenka, Petr (5%): Germination of chenopodium album in response to microwave plasma treatment
Lit.: 15 zázn., 5 obr., 1 tab.
In: Plasma Science and Technology. - Vol. 10, No. 4 (2008), s. 506-511. - ISSN 1009-0630
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2008=0,402
Ohlasy (75):
[o1] 2016 Koga, K. - Thapanut, S. - Amano, T. - Seo, H. - Itagaki, N. - Hayashi, N. - Shiratani, M.: Simple method of improving harvest by nonthermal air plasma irradiation of seeds of Arabidopsis thaliana (L.). In: Applied Physics Express,Vol. 9, No. 1, 2016, Art. No. 016201 - SCI
[o1] 2016 Henselova, M. - Slovakova, L. - Martinka, M. - Zahoranova, A. - Cernak, M.: Interaction of Low-Temperature Plasma with Grains of Maize (Zea Mays L.). In: HAKONE XV: International Symposium on High Pressure, Low Temperature PlasmaChemistry: With Joint COST TD1208 Workshop: Non-Equilibrium Plasmas with Liquids for Water and Surface Treatment. Brno : Masarykova univerzita, 2016, S. 364-367 - CPCI-S
[o1] 2016 Ohta, T.: Plasma in Agriculture. In: Cold Plasma in Food and Agriculture: Fundamentals and Applications. London : Academic Press-Elsevier Science, 2016, S. 205-221 - BKCI-S
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IF (JCR) 2009=0,380
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ADC08 Šerá, Božena [UKOPREEM] (100%) : Road-side herbaceous vegetation: Life history groups and habitat preferences
Lit.: 51 zázn., 5 tab.
In: Polish Journal of Ecology. - Vol. 58, No. 1 (2010), s. 69-79. - ISSN 1505-2249
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2010=0,542
Ohlasy (18):
[o1] 2016 Wrzesien, M. - Denisow, B.: Distribution and abundance of bee forage flora across an agricultural landscape - Railway embankments vs. road verges. In: Acta Societatis Botanicorum Poloniae, Vol. 85, No. 3, 2016, Art. No. UNSP 3509 -SCI
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[o1] 2012 Kulfan, J. - Strbova, E. - Zach, P.: Effect of vegetation and management on occurrence of larvae and adults of generalist Maniola jurtina L. (Lepidoptera) in meadow habitats. In: Polish Journal of Ecology, Vol. 60, No. 3, 2012, s.601-609 - SCOPUS
[o1] 2013 Paula Simoes, M. - Belo, A.F. - Souza, C.: Effects of mowing regime on diversity of Mediterranean roadside vegetation - implications for management. In: Polish Journal of Ecology, Vol. 61, No. 2, 2013, s. 241-255 - SCOPUS
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ADC09 Dadáková, Eva (50%) - Vrchotová, Naděžda (30%) - Chmelová, Štěpánka (10%) - Šerá, Božena [UKOPREEM] (10%): The stability of rutin and chlorogenic acid during the processing of black elder (Sambucus nigra) inflorescence
Lit.: 19 zázn., 3 obr., 1 tab.
In: Acta alimentaria. - Vol. 40, No. 3 (2011), s. 327-334. - ISSN 0139-3006
Registrované v: wos
Indikátor časopisu:
IF (JCR) 2011=0,444
Ohlasy (2):
[o1] 2016 Sentkowska, A. - Biesaga, M. - Pyrzynska, K.: Food Science and Biotechnology, Vol. 25, No. 4, 2016, s. 965-970 - SCI
[o1] 2019 Starowicz, M. - Zielinski, H.: Italian Journal of Food Science, Vol. 31, No. 2, 2019, s. 253-263 - SCI

ADC10 Vrchotová, Naděžda (50%) - Šerá, Božena [UKOPREEM] (40%) - Krejčová, J. (10%): Allelopathic activity of extracts from Impatiens species
Lit.: 9 zázn., 3 tab.
In: Plant Soil and Environment. - Vol. 57, No. 2 (2011), s. 57-60. - ISSN 1214-1178
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2011=1,078
Ohlasy (31):
[o1] 2016 Gruntman, M. - Zieger, S. - Tielboerger, K.: Invasive success and the evolution of enhanced weaponry. In: Oikos, Vol. 125, No. 1, 2016, s. 59-65 - SCI
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[o1] 2019 Jurova, J. - Matouskova, M. - Wajs-Bonikowska, A. - Kalemba, D. - Renco, M. - Sedlak, V. - Gogal'ova, Z. - Poracova, J. - Salamun, P. - Grul'ova, D.: Potential phytotoxic effect of essential oil of non-native species impatiensparviflora dc. In: Plants, Vol. 8, No. 7, 2019, Art. No. 241 - SCI
[o1] 2019 Irimia, R.E. - Lopes, S.M.M. - Sotes, G. - Cavieres, L.A. - Eren, O. - Lortie, C.J. - French, K. - Hierro, J.L. - Rosche, C. - Callaway, R.M. - Melo, T.M.V.D.P.E. - Montesinos, D.: Biogeographic differences in the allelopathy of leafsurface extracts of an invasive weed. In: Biological Invasions, Vol. 21, No. 10, 2019, s. 3151-3168 - SCI
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ADC11 Akbar, Khalid Farooq (40%) - Hale, William H. G. (30%) - Šerá, Božena [UKOPREEM] (20%) - Ashraf, Iffat (10%): Phytometric Assessment of Fertility of Roadside Soils and Its Relationship with Major Nutrients
Lit.: 32 zázn., 1 obr., 2 tab.
In: Polish Journal of Environmental Studies. - Vol. 21, No. 5 (2012), s. 1141-1145. - ISSN 1230-1485
Registrované v: wos
Indikátor časopisu:
IF (JCR) 2012=0,462
Ohlasy (1):
[o1] 2018 Alberti, G. - Grima, R. - Vella, N.C.: PLoS ONE, Vol. 13, No. 2, 2018, Art. No. e0192039 - SCI

ADC12 Šerá, Božena [UKOPREEM] (100%) : Effects of soil substrate contaminated by knotweed leaves on seed development
Lit.: 35 zázn., 1 tab.
In: Polish Journal of Environmental Studies. - Vol. 21, No. 3 (2012), s. 713-717. - ISSN 1230-1485
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2012=0,462
Ohlasy (6):
[o1] 2016 Gillies, S. - Clements, D.R. - Grenz, J.: Knotweed (fallopia spp.) Invasion of North America Utilizes Hybridization, Epigenetics, Seed Dispersal (unexpectedly), and an Arsenal of Physiological Tactics. In: Invasive Plant Science and Management, Vol. 9, No. 1, 2016, s. 71-80 - SCI
[o1] 2016 Mincheva, T. - Barni, E. - Siniscalco, C.: From plant traits to invasion success: Impacts of the alien Fallopia japonica (Houtt.) Ronse Decraene on two native grassland species. In: Plant Biosystems, Vol. 150, No. 6, 2016, s.1348-1357 - SCI
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[o1] 2014 Hedenec, P. - Novotny, D. - Ustak, S. - Cajthaml, T. - Slejska, A. - Simackova, H. - Honzik, R. - Kovarova, M. - Frouz, J.: The effect of native and introduced biofuel crops on the composition of soil biota communities. In: Biomassand Bioenergy, Vol. 60, 2014, s. 137-146 - SCOPUS

ADC13 Šerá, Božena [UKOPREEM] (50%) - Gajdová, Iveta (25%) - Šerý, Michal (20%) - Špatenka, Petr (5%): New Physicochemical Treatment Method of Poppy Seeds for Agriculture and Food Industries
Lit.: 17 zázn., 5 obr.
In: Plasma Science and Technology. - Vol. 15, No. 9 (2013), s. 935-938. - ISSN 1009-0630
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2013=0,596
Ohlasy (42):
[o1] 2016 Nishioka, T. - Mishima, T. - Toyokawa, Y. - Misawa, T. - Sakudo, A.: Current Progress in Seed Disinfection by Gas Plasma: Disinfection of Seed-borne Fungi and Bacteria by Plasma with Alternating Current High-voltage Discharge. Wymondham : Caister Academic Press, 2016, S. 121-129 - BKCI-S
[o1] 2016 Sarinont, T. - Amano, T. - Attri, P. - Koga, K. - Hayashi, N. - Shiratani, M.: Effects of plasma irradiation using various feeding gases on growth of Raphanus sativus L. In: Archives of Biochemistry and Biophysics, Vol. 605, Sp.Iss., 2016, s. 129-140 - CPCI-S
[o1] 2016 Ji, S.H. - Choi, K.H. - Pengkit, A. - Im, J.S. - Kim, J.S. - Kim, Y.H. - Park, Y. - Hong, E.J. - Jung, S.K. - Choi, E.H. - Park, G.: Effects of high voltage nanosecond pulsed plasma and micro DBD plasma on seed germination, growth development and physiological activities in spinach. In: Archives of Biochemistry and Biophysics, Vol. 605, Sp. Iss., 2016, s. 117-128 - CPCI-S
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[o1] 2018 Roy, N.C. - Hasan, M.M. - Talukder, M.R. - Hossain, M.D. - Chowdhury, A.N.: Prospective Applications of Low Frequency Glow Discharge Plasmas on Enhanced Germination, Growth and Yield of Wheat. In: Plasma Chemistry and Plasma Processing, Vol. 38, No. 1, 2018, s. 13-28 - SCI
[o1] 2018 Guo, Q. - Meng, Y.R. - Qu, G.Z. - Wang, T.C. - Yang, F.N. - Liang, D.L. - Hu, S.B.: Improvement of wheat seed vitality by dielectric barrier discharge plasma treatment. In: Bioelectromagnetics, Vol. 39, No. 2, 2018, s. 120-131 - SCI
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ADC14 Šerá, Božena [UKOPREEM] (40%) - Válková, Darina (30%) - Kocianová, Eva (10%) - Šerý, Michal (10%) - Feráková, Viera [UKOPRBBO] (5%) - Hodálová, Iva (5%): Population size of the monocarpic perennial Peucedanum arenarium Waldst. Et Kit. With regardto experimentally tested management strategies
Lit.: 22 zázn., 6 obr., 1 tab.
In: Pakistan Journal of Botany. - Vol. 45, No. 2 (2013), s. 449-454. - ISSN 0556-3321
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2013=1,207

ADC15 Mráz, I. (20%) - Beran, P. (40%) - Šerá, Božena [UKOPREEM] (30%) - Gavril, Bogdan (5%) - Hnatiuc, Eugen (5%): Effect of low-temperature plasma treatment on the growth and reproduction rate of some plant pathogenic bacteria
Lit.: 33 zázn., 1 obr., 1 tab.
In: Journal of Plant Physiology. - Vol. 96, No. 1 (2014), s. 63-67. - ISSN 1125-4653
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2014=1,043
Kvartil Q:
wos-jcr -- Q3 [plant sciences] -- 2014
Ohlasy (3):
[o1] 2017 Hnatiuc, B. - Sabau, A. - Faubert, F. - Hnatiuc, M. - Pellerin, S. - Ghita, S.: Study of timing optimization of plasma treatment for naval materials. In: International Conference on Optimization of Electrical and Electronic Equipment(OPTIM), S. 1069-1074, Art. No. 7975113 - New York : IEEE, 2017
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ADC16 Schutte, B. J. (10%) - Tomasek, B. J. (10%) - Davis, A. S. (5%) - Andersson, L. (5%) - Benoit, D. L. (5%) - Cirujeda, A. (5%) - Dekker, J. (5%) - Forcella, F. (5%) - Gonzalez-Andujar, J. L. (5%) - Graziani, F. (5%) - Murdoch, A. J. (5%) - Neve, P.(5%) - Rasmussen, I. A. (5%) - Šerá, Božena [UKOPREEM] (5%) - Salonen, J. (5%) - Tei, F. (5%) - Torresen, K. S. (5%) - Urbano, J. M. (5%): An investigation to enhance understanding of the stimulation of weed seedling emergence by soil disturbance
Lit.: 33 zázn., 3 obr., 4 tab.
In: Weed Research. - Vol. 54, No. 1 (2014), s. 1-12. - ISSN 0043-1737
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2014=1,687
Kvartil Q:
wos-jcr -- Q2 [agronomy] ; Q2 [plant sciences] -- 2014
Ohlasy (28):
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ADC17 Herben, Tomáš (40%) - Šerá, Božena [UKOPREEM] (30%) - Klimešová, Jitka (30%): Clonal growth and sexual reproduction: tradeoffs and environmental constraints
Lit.: 48 zázn., 3 obr., 4 tab.
In: Oikos. - Vol. 124, No. 4 (2015), s. 469-476. - ISSN 0030-1299
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2015=3,586
Kvartil Q:
wos-jcr -- Q1 [ecology] -- 2015
Ohlasy (35):
[o1] 2015 Cross, A.T. - Skates, L.M. - Adamec, L. - Hammond, C.M. - Sheridan, P.M. - Dixon, K.W.: Population ecology of the endangered aquatic carnivorous macrophyte Aldrovanda vesiculosa at a naturalised site in North America. In: Freshwater Biology, Vol. 60, No. 9, 2015, s. 1772-1783 - SCOPUS
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[o1] 2020 Lengyel, A. - Swacha, G. - Botta-Dukat, Z. - Kacki, Z.: Trait-based numerical classification of mesic and wet grasslands in Poland. In: Journal of Vegetation Science, Vol. 31, No. 2, 2020, s. 319-330 - SCOPUS
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[o1] 2020 Chudomelova, M. - Zeleny, D.: Tracing the signs of local dispersal in the temperate forest understorey using spatially structured vegetation data. In: Journal of Vegetation Science, Vol. 31, No. 1, 2020, s. 84-94 - SCOPUS
[o1] 2018 Wang, L.-Y. - Jin, F.-M. - Jin, Y.-J. - Xu, J.-Q. - Wen, W. - Chen, J.-H. - Ye, D.: Responses of underground clonal storage to mowing of the alien clonal weed species Oxalis articulata. In: Chinese Journal of Applied Ecology, Vol.29, No. 2, 2018, s. 501-506 - SCOPUS
[o1] 2019 Poudeyal, M.R. - Meilby, H. - Shrestha, B.B. - Ghimire, S.K.: Harvest effects on density and biomass of Neopicrorhiza scrophulariiflora vary along environmental gradients in the Nepalese Himalayas. In: Ecology and Evolution, Vol. 9,No. 13, 2019, s. 7726-7740 - SCOPUS
[o1] 2019 Lambers H. - Oliveira R.S.: Plant Physiological Ecology. Cham : Springer, 2019, S. 1-669 - BKCI-S

ADC18 Věchet, Lubomír (50%) - Šerá, Božena [UKOPREEM] (50%): Effectiveness of both synthetic compounds and biological extracts against powdery mildew (Blumeria graminis f. Sp. Tritici) on winter wheat
Lit.: 31 zázn., 1 tab.
In: Agrociencia. - Vol. 49, No. 1 (2015), s. 77-85. - ISSN 1405-3195
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2015=0,305
Kvartil Q:
wos-jcr -- Q4 [agriculture, multidisciplinary] -- 2015
Ohlasy (3):
[o1] 2019 Le Mire, G. - Siah, A. - Marolleau, B. - Gaucher, M. - Maumené, C. - Brostaux, Y. - Massart, S. - Brisset, M.-N. - Haissam Jijakli, M.: Evaluation of l-carrageenan, CpG-ODN, glycine betaine, spirulina platensis, and ergosterol aselicitors for control of zymoseptoria tritici in wheat. In: Phytopathology, Vol. 109, No. 3, 2019, s. 409-417 - SCI ; SCOPUS
[o1] 2020 Borovaya, S. - Lukyanchuk, L. - Manyakhin, A. - Zorikova, O.: Effect of Reynoutria japonica extract upon germination and upon resistance of its seeds against phytopathogenic fungi Triticum aestivum L., Hordeum vulgare L., and Glycinemax (L.) Merr. In: Organic Agriculture, Vol. 10, No. 1, 2020, s. 89-95 - SCOPUS

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ADC19 Šerá, Božena [UKOPREEM] (60%) - Šerý, M. (20%) - Gavril, B. (10%) - Gajdová, I. (10%): Seed Germination and Early Growth Responses to Seed Pre-treatment by Non-thermal Plasma in Hemp Cultivars (Cannabis sativa L.)
Lit.: 39 zázn., 3 obr., 2 tab.
In: Plasma Chemistry and Plasma Processing. - Vol. 37, No. 1 (2017), s. 3207-221. - ISSN 0272-4324
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2017=2,658
Kvartil Q:
wos-jcr -- Q2 [energineering, chemical] ; Q2 [physics, applied] ; Q2 [physics, fluids & plasmas] – 2017
Ohlasy (29):
[o1] 2018 Iranbakhsh, A. - Ardebili, N.O. - Ardebili, Z.O. - Shafaati, M. - Ghoranneviss, M.: Non-thermal Plasma Induced Expression of Heat Shock Factor A4A and Improved Wheat (Triticum aestivum L.) Growth and Resistance Against Salt Stress .In: Plasma Chemistry and Plasma Processing, Vol. 38, No. 1, 2018, s. 29-44 - SCI
[o1] 2018 Roy, N.C. - Hasan, M.M. - Talukder, M.R. - Hossain, M.D. - Chowdhury, A.N.: Prospective Applications of Low Frequency Glow Discharge Plasmas on Enhanced Germination, Growth and Yield of Wheat. In: Plasma Chemistry and PlasmaProcessing, Vol. 38, No. 1, 2018, s. 13-28 - SCI
[o1] 2018 Guo, Q. - Meng, Y.R. - Qu, G.Z. - Wang, T.C. - Yang, F.N. - Liang, D.L. - Hu, S.B.: Improvement of wheat seed vitality by dielectric barrier discharge plasma treatment. In: Bioelectromagnetics, Vol. 39, No. 2, 2018, s. 120-131 - SCI
[o1] 2018 Ji, S.H. - Ki, S.H. - Kang, M.H. - Choi, J.S. - Park, Y. - Oh, J. - Kim, S.B. - Yoo, S.J. - Choi, E.H. - Park, G.: Characterization of physical and biochemical changes in plasma treated spinach seed during germination. In: Journal ofPhysics D-Applied Physics, Vol. 51, No. 14, 2018, Art. No. 145205 - SCI
[o1] 2018 Bourke, P. - Ziuzina, D. - Boehm, D. - Cullen, P.J. - Keener, K.: The Potential of Cold Plasma for Safe and Sustainable Food Production. In: Trends in Biotechnology, Vol. 36, No. 6, Sp. Iss., 2018, s. 615-626 - SCI
[o1] 2018 Strejckova, M. - Bohata, A. - Olsan, P. - Havelka, Z. - Kriz, P. - Beran, P. - Bartos, P. - Curn, V. - Spatenka, P.: Journal of Biomaterials and Tissue Engineering, Vol. 8, No. 6, 2018, s. 829-836 - SCI
[o1] 2018 Iranbakhsh, A. - Ardebili, Z.O. - Ardebili, N.O. - Ghoranneviss, M. - Safari, N.: Cold plasma relieved toxicity signs of nano zinc oxide in Capsicum annuum cayenne via modifying growth, differentiation, and physiology. In: Acta Physiologiae Plantarum, Vol. 40, No. 8, 2018, Art. No. 154 - SCI
[o1] 2018 Magureanu, M. - Sirbu, R. - Dobrin, D. - Gidea, M.: Stimulation of the Germination and Early Growth of Tomato Seeds by Non-thermal Plasma. In: Plasma Chemistry and Plasma Processing, Vol. 38, No. 5, 2018, s. 989-1001 - SCI
[o1] 2018 Zahoranova, A. - Hoppanova, L. - Simoncicova, J. - Tucekova, Z. - Medvecka, V. - Hudecova, D. - Kalinakova, B. - Kovacik, D.: Effect of Cold Atmospheric Pressure Plasma on Maize Seeds: Enhancement of Seedlings Growth and Surface Microorganisms Inactivation. In: Plasma Chemistry and Plasma Processing, Vol. 38, No. 5, 2018, s. 969-988 - SCI
[o1] 2018 Zhang, B. - Li, R. - Yan, J.: Study on activation and improvement of crop seeds by the application of plasma treating seeds equipment. In: Archives of Biochemistry and Biophysics, Vol. 655, October, 2018, s. 37-42 - SCI
[o1] 2018 Molina, R. - Lopez-Santos, C. - Gomez-Ramirez, A. - Vilchez, A. - Pedro Espinos, J. - Gonzalez-Elipe, A.R.: Influence of irrigation conditions in the germination of plasma treated Nasturtium seeds. In: Scientific Reports, Vol. 8,November, 2018, Art. No. 16442 - SCI
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[o1] 2019 Li, L. - Liu, J. - Guo, H. - Chen, J.B. - Shao, H.L. - Li, D.D. - Li, J.J. - Wang, Y. - Zong, J.Q.: Rooting and Related Physiological Characteristics Responses to Stolon Cuttings Pre-treatment by Cold Plasma in Centipedegrass (Eremochloa ophiuroides (Munro.) Hack.). In: Plasma Chemistry and Plasma Processing, Vol. 39, No. 5, 2019, s. 1343-1354 - SCI
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[o1] 2020 Holubova, L. - Kyzek, S. - Durovcova, I. - Fabova, J. - Horvathova, E. - Sevcovicova, A. - Galova, E.: Non-thermal plasma-a new green priming agent for plants?. In: International Journal of Molecular Sciences, Vol. 21, No. 24, 2020,Art. No. 9466 - SCOPUS
[o1] 2020 Ivankov, A. - Nauciene, Z. - Zukiene, R. - Degutyte-Fomins, L. - Malakauskiene, A. - Kraujalis, P. - Venskutonis, P.R. - Filatova, I. - Lyushkevich, V. - Mildaziene, V.: Changes in growth and production of non-psychotropic cannabinoids induced by pre-sowing treatment of hemp seeds with cold plasma, vacuum and electromagnetic field. In: Applied Sciences (Switzerland), Vol. 10, No. 23, 2020, Art. No. 8519 - SCOPUS
[o1] 2020 Ambrico, P.F. - Simek, M. - Rotolo, C. - Morano, M. - Minafra, A. - Ambrico, M. - Pollastro, S. - Gerin, D. - Faretra, F. - De Miccolis Angelini, R.M.: Surface Dielectric Barrier Discharge plasma: a suitable measure against fungal plant pathogens. In: Scientific Reports, Vol. 10, No. 1, 2020, Art. No. 3673 - SCOPUS
[o1] 2020 Hui, Y. - Wang, D. - You, Y. - Shao, C. - Zhong, C. - Wang, H.: Effect of Low Temperature Plasma Treatment on Biological Characteristics and Yield Components of Wheat Seeds (Triticum aestivum L.). In: Plasma Chemistry and Plasma Processing, Vol. 40, No. 6, 2020, s. 1555-1570 - SCOPUS
[o1] 2020 Ebrahimibasabi, E. - Ebrahimi, A. - Momeni, M. - Amerian, M.R.: Elevated expression of diosgenin-related genes and stimulation of the defense system in Trigonella foenum-graecum (Fenugreek) by cold plasma treatment. In: Scientia Horticulturae, Vol. 271, 2020, Art. No. 109494 - SCOPUS
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[o1] 2020 Iranbakhsh, A. - Oraghi Ardebili, Z. - Molaei, H. - Oraghi Ardebili, N. - Amini, M.: Cold Plasma Up-Regulated Expressions of WRKY1 Transcription Factor and Genes Involved in Biosynthesis of Cannabinoids in Hemp (Cannabis sativa L.).In: Plasma Chemistry and Plasma Processing, Vol. 40, No. 2, 2020, s. 527-537 - SCOPUS
[o1] 2019 Gavahian, M. - Peng, H.-J. - Chu, Y.-H.: Efficacy of cold plasma in producing Salmonella-free duck eggs: effects on physical characteristics, lipid oxidation, and fatty acid profile. In: Journal of Food Science and Technology, Vol.56, No. 12, 2019, s. 5271-5281 - SCOPUS
[o1] 2019 Zukiene, R. - Nauciene, Z. - Januskaitiene, I. - Pauzaite, G. - Mildaziene, V. - Koga, K. - Shiratani, M.: Dielectric barrier discharge plasma treatment-induced changes in sunflower seed germination, phytohormone balance, and seedling growth. In: Applied Physics Express, Vol. 12, No. 12, 2019, Art. No. 126003 - SCOPUS
[o1] 2020 Li, Z. - Liu, Y. - Wang, Z. - Zhan, J. - Shen, Y. - Zhao, J. - Zhang, A.: Degradation of total petroleum hydrocarbons pollution in soil by CaO2/H2O2-Fenton-like system. In: Chinese Journal of Environmental Engineering, Vol. 14, No.3, 2020, s. 780-788 - SCOPUS

ADC20 Šerá, Božena [UKOPREEM] (70%) - Šerý, Michal (30%): Non-thermal plasma treatment as a new biotechnology in relation to seeds, dry fruits, and grains
Lit.: 95 zázn.

In: Plasma Science and Technology. - Roč. 20, č. 4 (2018), s. [1-6], Art. No. 044012. - ISSN (print) 1009-0630
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2018=0,378
SNIP (SCOPUS) 2018=0,728
CiteScore (SCOPUS) 2018=2
IF (JCR) 2018=1.193
Kvartil Q:
scimago-sjr -- Q3 [Condensed matter physics] -- 2018
wos-jcr -- Q4 [Physics, fluids & plasmas] -- 2018
Ohlasy (21):
[o1] 2018 Chang, E.H. - Bae, Y.S. - Shin, Il S. - Choi, H.J. - Lee, J.H. - Choi, J.W.: Microbial Decontamination of Onion by Corona Discharge Air Plasma during Cold Storage. In: Journal of Food Quality, Vol. 2018, 2018, Art. No. 3481806 - SCI
[o1] 2018 Bose, A.K. - Beaver, C.L. - Narakathu, B.B. - Rossbach, S. - Bazuin, B.J. - Atashbar, M.Z.: Development of Flexible Microplasma Discharge Device for Sterilization Applications. In: 17th IEEE SENSORS Conference, New Delhi. New York : IEEE, 2018, S. 1161-1164, Art. No. 8589816 - CPCI-S
[o1] 2018 Kratochvil, J. - Kuzminova, A. - Kylian, O.: State-of-the-art, and perspectives of, silver/plasma polymer antibacterial nanocomposites. In: Antibiotics-Basel, Vol. 7, No. 3, 2018, Art. No. 78 - SCI
[o1] 2018 Shapira, Y. - Chaniel, G. - Bormashenko, E.: Surface charging by the cold plasma discharge of lentil and pepper seeds in comparison with polymers. In: Colloids and Surfaces B-Biointerfaces, Vol. 172, December, 2018, s. 541-544 - SCI
[o1] 2019 Lazukin, A.V. - Grabel'nykh, O.I. - Serdyukov, Y.A. - Pobezhimova, T.P. - Nurminskii, V.N. - Korsukova, A.V. - Krivov, S.A.: The Effect of Surface Barrier Discharge Plasma Products on the Germination of Cereals. In: Technical Physics Letters, Vol. 45, No. 1, 2019, s. 16-19 - SCI
[o1] 2019 Yehia, A.: Characteristics of the dielectric barrier corona discharges. In: AIP Advances, Vol. 9, No. 4, 2019, Art. No. 045214 - SCI
[o1] 2019 Mildaziene, V. - Aleknaviciute, V. - Zukiene, R. - Pauzaite, G. - Nauciene, Z. - Filatova, I. - Lyushkevich, V. - Haimi, P. - Tamosiune, I. - Baniulis, D.: Treatment of common sunflower (Helianthus annus L.) seeds with radio-frequency electromagnetic field and cold plasma induces changes in seed phytohormone balance, seedling development and leaf protein expression. In: Scientific Reports, Vol. 9, April, 2019, Art. No. 6437 - SCI
[o1] 2020 Varnagiris, S. - Vilimaite, S. - Mikelionyte, I. - Urbonavicius, M. - Tuckute, S. - Milcius, D.: The combination of simultaneous plasma treatment with mg nanoparticles deposition technique for better mung bean seeds germination. In: Processes, Vol. 8, No. 12, 2020, Art. No. 1575 - SCOPUS
[o1] 2020 Ivankov, A. - Nauciene, Z. - Zukiene, R. - Degutyte-Fomins, L. - Malakauskiene, A. - Kraujalis, P. - Venskutonis, P.R. - Filatova, I. - Lyushkevich, V. - Mildaziene, V.: Changes in growth and production of non-psychotropic cannabinoids induced by pre-sowing treatment of hemp seeds with cold plasma, vacuum and electromagnetic field. In: Applied Sciences (Switzerland), Vol. 10, No. 23, 2020, Art. No. 8519 - SCOPUS
[o1] 2020 Stoleru, V. - Burlica, R. - Mihalache, G. - Dirlau, D. - Padureanu, S. - Teliban, G.-C. - Astanei, D. - Cojocaru, A. - Beniuga, O. - Patras, A.: Plant growth promotion effect of plasma activated water on Lactuca sativa L. cultivated in two different volumes of substrate. In: Scientific Reports, Vol. 10, No. 1, 2020, Art. No. 20920 - SCOPUS
[o1] 2020 Hui, Y. - Wang, D. - You, Y. - Shao, C. - Zhong, C. - Wang, H.: Effect of Low Temperature Plasma Treatment on Biological Characteristics and Yield Components of Wheat Seeds (Triticum aestivum L.). In: Plasma Chemistry and Plasma Processing, Vol. 40, No. 6, 2020, s. 1555-1570 - SCOPUS
[o1] 2020 Nishime, T.M.C. - Wannicke, N. - Horn, S. - Weltmann, K.-D. - Brust, H.: A coaxial dielectric barrier discharge reactor for treatment of winter wheat seeds. In: Applied Sciences (Switzerland), Vol. 10, No. 20, 2020, Art. No. 7133 -SCOPUS
[o1] 2020 Judee, F. - Dufour, T.: Seed-packed dielectric barrier device for plasma agriculture: Understanding its electrical properties through an equivalent electrical model. In: Journal of Applied Physics, Vol. 128, No. 4, 2020, Art. No.044901 - SCOPUS
[o1] 2020 Lazukin, A.V. - Gundareva, S.V. - Nikitin, A.M. - Serdykov, J.A. - Krivov, S.A.: Surface barrier discharge pre-sowing treatment of winter wheat seeds in a three-electrode arrangement with dc bias. In:

Journal of Physics: ConferenceSeries, Vol. 1556, No. 1. Bristol : IOP Publishing, 2020, Art. No. 012089 - CPCI-S
[o1] 2020 Krivov, S.A. - Moralev, I.A. - Lazukin, A.V. - Selivonin, I.V.: Ion Wind in a Three-Electrode Surface Barrier Discharge Arrangement. In: IEEE Transactions on Plasma Science, Vol. 48, No. 7, 2020, Art. No. 9115058 - SCOPUS
[o1] 2020 Kang, M.-H. - Veerana, M. - Eom, S. - Uhm, H.-S. - Ryu, S. - Park, G.: Plasma mediated disinfection of rice seeds in water and air. In: Journal of Physics D: Applied Physics, Vol. 53, No. 21, 2020, Art. No. 214001 - SCOPUS
[o1] 2020 Mildaziene, V. - Pauzaite, G. - Nauciene, Z. - Zukiene, R. - Malakauskiene, A. - Norkeviciene, E. - Slepetiene, A. - Stukonis, V. - Olsauskaite, V. - Padarauskas, A. - Filatova, I. - Lyuskevich, V.: Effect of seed treatment with cold plasma and electromagnetic field on red clover germination, growth and content of major isoflavones. In: Journal of Physics D: Applied Physics, Vol. 53, No. 26, 2020, Art. No. 264001 - SCOPUS
[o1] 2020 Mei, D. - Fang, Z. - Shao, T.: Recent Progress on Characteristics and Applications of Atmospheric Pressure Low Temperature Plasmas. In: Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering, Vol. 40, No. 4, 2020, s. 1339-1358 - SCOPUS
[o1] 2020 Han, Q. - Wu, C. - Guo, Y. - Shi, J.: Temporal evolution of atmospheric cascade glow discharge with pulsed discharge and radio frequency discharge. In: Plasma Science and Technology, Vol. 22, No. 3, 2020, Art. No. 034014 - SCOPUS
[o1] 2018 Zhang, B. - Li, R. - Yan, J.: Study on activation and improvement of crop seeds by the application of plasma treating seeds equipment. In: Archives of Biochemistry and Biophysics, Vol. 655, 2018, s. 37-42 - SCOPUS
[o1] 2019 Zukiene, R. - Nauciene, Z. - Januskaitiene, I. - Pauzaite, G. - Mildaziene, V. - Koga, K. - Shiratani, M.: Dielectric barrier discharge plasma treatment-induced changes in sunflower seed germination, phytohormone balance, and seedling growth. In: Applied Physics Express, Vol. 12, No. 12, 2019, Art. No. 126003 - SCOPUS

ADC21 Martin-Garcia, J. (7%) - Zas, R. (6%) - Solla, A. (6%) - Woodward, S. (6%) - Hantula, J. (6%) - Vainio, E. J. (5%) - Mullett, M. (5%) - Morales-Rodriguez, C. (5%) - Vannini, A. (5%) - Martinez-Alvarez, P. (5%) - Pinto, G. (4%) - Alves, A. (4%) - Amaral, J. (4%) - Wingfield, M. J. (4%) - Fourie, G. (4%) - Steenkamp, E. T. (4%) - Ahumada, R. (4%) - Šerá, Božena [UKOPREEM] (4%) - Sanz-Ros, A. V. (3%) - Raposo, R. (3%) - Elvira-Recuenco, M. (2%) - Iturritxa, E. (2%) - Gordon, I. R. (1%) - Diez, J. J.(1%): Environmentally friendly methods for controlling pine pitch canker
Lit.: 221 zázn.
In: Plant pathology. - Roč. 68, č. 5 (2019), s. 843-860. - ISSN (print) 0032-0862
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
SJR (SCOPUS) 2019=0,937
SNIP (SCOPUS) 2019=1,218
CiteScore (SCOPUS) 2019=4,3
IF (JCR) 2019=2,169
Kvartil Q:
wos-jcr -- Q2 [Agronomy] -- 2019
wos-jcr -- Q2 [Plant sciences] -- 2019
scimago-sjr -- Q1 [Agronomy and crop science] -- 2019
scimago-sjr -- Q1 [Horticulture] -- 2019
scimago-sjr -- Q1 [Plant science] -- 2019
scimago-sjr -- Q2 [Genetics] -- 2019
Ohlasy (5):
[o1] 2020 Costa, D. - Tavares, R.M. - Baptista, P. - Lino-Neto, T.: Cork oak endophytic fungi as potential biocontrol agents against biscogniauxia mediterranea and diplodia corticola. In: Journal of Fungi, Vol. 6, No. 4, 2020, Art. No. 287 -SCOPUS
[o1] 2020 Teshome, D.T. - Zharare, G.E. - Naidoo, S.: The Threat of the Combined Effect of Biotic and Abiotic Stress Factors in Forestry Under a Changing Climate. In: Frontiers in Plant Science, Vol. 11, 2020, Art. No. 601009 - SCOPUS

[o1] 2020 Soltys, A. - Studnicki, M. - Zawadzki, G. - Aleksandrowicz-Trzcinska, M.: The effects of salicylic acid, oxalic acid and chitosan on damping-off control and growth in scots pine in a forest nursery. In: IForest, Vol. 13, No. 5, 2020,s. 441-446 - SCOPUS
[o1] 2020 Siddique, A.B.: Viruses of endophytic and pathogenic forest fungi. In: Virus Genes, Vol. 56, No. 4, 2020, s. 407-416 - SCOPUS
[o1] 2020 Ciordia, M. - Garcia, J.C. - Loureiro, M.D.: Hot water treatment: an effective method for disinfecting Castanea sativa mill. dormant scions against Dryocosmus kuriphilus Yasumatsu. In: Pest Management Science, Vol. 76, No. 5, 2020,s. 1944-1948 - SCOPUS

ADC22 Nováková, Markéta (60%) - Šerá, Božena [UKOPREEM] (30%) - Cudlín, Pavel (10%): Roadside habitats: the impact of salinization on the occurrence, growth and reproduction of two weed species Echinochloa crus-galli and Digitaria sanguinalis
Lit.: 38 zázn.
In: Polish journal of ecology. - Roč. 67, č. 3 (2019), s. 186-193. - ISSN (print) 1505-2249
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
IF (JCR) 2019=0.500
Kvartil Q:
wos-jcr -- Q4 [Ecology] -- 2019

ADC23 Scholtz, V. (40%) - Khun, J. (20%) - Šerý, M. (5%) - Julák, Jaroslav (5%) - Šerá, Božena [UKOPREEM] (30%): Effects of Nonthermal Plasma on Wheat Grains and Products [elektronický dokument]
Lit.: 75 zázn.
In: Journal of food quality [elektronický dokument]. - Roč. 2019, č. 12 Jun 2019 (2019), s. [1-10], Art. no. 7917825 [print]. - ISSN (print) 0146-9428
URL: https://www.hindawi.com/journals/jfq/2019/7917825/
URL: https://downloads.hindawi.com/journals/jfq/2019/7917825.pdf
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2019=0,513
SNIP (SCOPUS) 2019=1,012
CiteScore (SCOPUS) 2019=2,4
IF (JCR) 2019=1,763
Kvartil Q:
wos-jcr -- Q3 [Food science & technology] -- 2019
scimago-sjr -- Q2 [Food science] -- 2019
scimago-sjr -- Q2 [Safety, risk, reliability and quality] -- 2019
Ohlasy (9):
[o1] 2020 Los, A. - Ziuzina, D. - Boehm, D. - Bourke, P.: Effects of cold plasma on wheat grain microbiome and antimicrobial efficacy against challenge pathogens and their resistance. In: International Journal of Food Microbiology, Vol. 335,2020, Art. No. 108889 - SCOPUS
[o1] 2020 Mitra, S. - Bhartiya, P. - Kaushik, N. - Nguyen, L.N. - Wahab, R. - Bekeschus, S. - Choi, E.H. - Kaushik, N.K.: Plasma-treated flammulina velutipes-derived extract showed anticancer potential in human breast cancer cells. In: Applied Sciences (Switzerland), Vol. 10, No. 23, 2020, Art. No. 8395 - SCOPUS
[o1] 2020 Varnagiris, S. - Vilimaite, S. - Mikelionyte, I. - Urbonavicius, M. - Tuckute, S. - Milcius, D.: The combination of simultaneous plasma treatment with mg nanoparticles deposition technique for better mung bean seeds germination. In: Processes, Vol. 8, No. 12, 2020, Art. No. 1575 - SCOPUS
[o1] 2020 Nishime, T.M.C. - Wannicke, N. - Horn, S. - Weltmann, K.-D. - Brust, H.: A coaxial dielectric barrier discharge reactor for treatment of winter wheat seeds. In: Applied Sciences (Switzerland), Vol. 10, No. 20, 2020, Art. No. 7133 -SCOPUS
[o1] 2020 Sosnin, E. - Skakun, V. - Nuznich, S. - Fadeeva, Y. - Panarin, V.: Fungicidal effect of apokampic discharge plasma jet on wheat seeds infected with alternaria Sp. and bipolaris sorokiniana shoemaker. In: Proceedings - 2020 7thInternational Congress on Energy Fluxes and Radiation Effects, EFRE 2020. New Jersey : Institute of Electrical and Electronics Engineers, 2020, Art. No. 9241928 - SCOPUS

[o1] 2020 Abedi, S. - Iranbakhsh, A. - Oraghi Ardebili, Z. - Ebadi, M.: Seed priming with cold plasma improved early growth, flowering, and protection of Cichorium intybus against selenium nanoparticle. In: Journal of Theoretical and AppliedPhysics, Vol. 14, No. 2, 2020, s. 113-119 - SCOPUS
[o1] 2020 Mei, D. - Fang, Z. - Shao, T.: Recent Progress on Characteristics and Applications of Atmospheric Pressure Low Temperature Plasmas. In: Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering,Vol. 40, No. 4, 2020, s. 1339-1358 - SCOPUS
[o1] 2020 Pater, A. - Zdaniewicz, M. - Satora, P. - Khachatryan, G. - Oszczeda, Z.: Application of water treated with low-temperature low-pressure glow plasma for quality improvement of barley and malt. In: Biomolecules, Vol. 10, No. 2, 2020,Art. No. 267 - SCOPUS
[o1] 2020 Rasooli, Z. - Barzin, G. - Mahabadi, T.D. - Entezari, M. - Piriaei, D.: Plasma seed priming in green cumin: physiological and developmental study. In: Iranian Journal of Plant Physiology, Vol. 11, No. 1, 2020, s. 3449-3456 - SCOPUS

ADC24 Hodgson, John G. (20%) - Marti, Gabriel Montserrat (20%) - Šerá, Božena [UKOPREEM] (20%) - Jones, Glynis (20%) - Bogaard, Amy (2%) - Charles, Mike (2%) - Font, Xavier (2%) - Ater, Mohammed (2%) - Taleb A, Abdelkader (1%) - Santini, Bianka A. (1%) -Hmimsa, Younes (1%) - Palmer, Carol (1%) - Wilson, Peter J. (1%) - Band, Stuart R. (1%) - Styring, Amy (1%) - Diffey, Charlotte (1%) - Green, Laura (1%) - Nitsch, Erika (1%) - Stroud, Elizabeth (1%) - Warham, Gemma (1%): Seed size, number and strategies in annual plants: a comparative functional analysis and synthesis
Lit.: 110 zázn.
In: Annals of Botany. - Roč. 126, č. 7 (2020), s. 1109-1128. - ISSN (print) 0305-7364
URL: https://academic.oup.com/aob/article/126/7/1109/5894204
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=1,567
SNIP (SCOPUS) 2020=1,729
CiteScore (SCOPUS) 2020=7,6
IF (JCR) 2020=4,357
Kvartil Q:
wos-jcr -- Q1 [Plant sciences] -- 2020
scimago-sjr -- Q1 [Plant science] -- 2020

ADC25 Swiecimska, Magdalena (10%) - Tulik, Mirela (10%) - Šerá, Božena [UKOPREEM] (10%) - Golinska, Patrycja (10%) - Tomeková, Juliana [UKOMFKEF] (10%) - Medvecká, Veronika [UKOMFKEF] (10%) - Bujdáková, Helena [UKOPRBMV] (10%) - Oszako,, Tomasz (10%) - Zahoranová, Anna [UKOMFKEF] (10%) - Šerý, Michal (10%): Non-thermal plasma can be used in disinfection of scots pine (Pinus sylvestris L.) seeds infected with fusarium oxysporum [elektronický dokument]
Lit.: 53 zázn.
In: Forests [elektronický dokument]. - Roč. 11, č. 8 (2020), s. [1-11] [online]. - ISSN (online) 1999-4907
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,676
SNIP (SCOPUS) 2020=0,953
CiteScore (SCOPUS) 2020=3,3
IF (JCR) 2020=2.634
Kvartil Q:
wos-jcr -- Q1 [Forestry] -- 2020
scimago-sjr -- Q1 [Forestry] -- 2020
Ohlasy (6):
[o1] 2020 Skarpa, P. - Klofac, D. - Krcma, F. - Simeckova, J. - Kozakova, Z.: Effect of Plasma Activated Water Foliar Application on Selected Growth Parameters of Maize (Zea mays L.). In: Water, Vol. 12, No. 12, 2020, Art. No. 3545 - SCI ; SCOPUS

[o1] 2021 Liu, C. - Cui, J. - Zhang, D. - Tang, H. - Gong, B. - Zu, S. - Zhong, C.: Decontamination of infected plant seeds utilizing atmospheric gliding arc discharge plasma treatment. In: Plasma Science and Technology, Vol. 23, No. 10, 2021,art. no. 105501 - SCI ; SCOPUS
[o1] 2021 Rashid, M. - Rashid, M. M. - Reza, M. A. - Talukder, M. R.: Combined Effects of Air Plasma Seed Treatment and Foliar Application of Plasma Activated Water on Enhanced Paddy Plant Growth and Yield. In: Plasma Chemistry and Plasma Processing, Vol. 41, No. 4, 2021, s. 1081-1099 - SCI ; SCOPUS
[n1] 2022 Carmassi, G. - Cela, F. - Trivellini, A. - Gambineri, F. - Cursi, L. - Cecchi, A. - Pardossi, A. - Incrocci, L.: Effects of Nonthermal Plasma (NTP) on the Growth and Quality of Baby Leaf Lettuce (Lactuca sativa var. acephala Alef.)Cultivated in an Indoor Hydroponic Growing System. In: Horticulturae, Vol. 8, No. 3, 2022, art. no. 251 - SCI ; SCOPUS
[n1] 2022 Rashid, M. - Rashid, M. M. - Alam, M. S. - Talukder, M. R.: Stimulating Effects of Plasma Activated Water on Growth, Biochemical Activity, Nutritional Composition and Yield of Potato (Solanum tuberosum L.). In: Plasma Chemistry andPlasma Processing, Vol. 42, No. 1, 2022, s. 131-145 - SCI ; SCOPUS
[n1] 2022 Veerana, M. - Yu, N. - Ketya, W. - Park, G.: Application of Non-Thermal Plasma to Fungal Resources. In: Journal of Fungi, Vol. 8, No. 2, 2022, art. no. 102 - SCI ; SCOPUS

ADC26 Šerý, Michal (30%) - Zahoranová, Anna [UKOMFKEF] (30%) - Kerdík, Adam (20%) - Šerá, Božena [UKOPREEM] (20%): Seed Germination of Black Pine (Pinus nigra Arnold) after Diffuse Coplanar Surface Barrier Discharge Plasma Treatment
Lit.: 44 zázn.
In: IEEE Transactions on Plasma Science. - Roč. 48, č. 4 (2020), s. 939-945. - ISSN (print) 0093-3813
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,46
SNIP (SCOPUS) 2020=0,942
CiteScore (SCOPUS) 2020=2,4
IF (JCR) 2020=1.222
Kvartil Q:
wos-jcr -- Q4 [Physics, fluids & plasmas] -- 2020
scimago-sjr -- Q2 [Condensed matter physics] -- 2020
scimago-sjr -- Q3 [Nuclear and high energy physics] -- 2020
Ohlasy (4):
[o1] 2020 Attri, P. - Ishikawa, K. - Okumura, T. - Koga, K. - Shiratani, M.: Plasma agriculture from laboratory to farm: A review. In: Processes, Vol. 8, No. 8, 2020, Art. No. 1002 - SCI ; SCOPUS
[o1] 2021 Bormashenko, E. - Bormashenko, Y. - Legchenkova, I. - Eren, N. M.: Cold plasma hydrophilization of soy protein isolate and milk protein concentrate enables manufacturing of surfactant-free water suspensions. Part I: Hydrophilization of food powders using cold plasma. In: Innovative Food Science and Emerging Technologies, Vol. 72, 2021, art. no. 102759 - SCI ; SCOPUS
[o1] 2021 Holc, M. - Mozetič, M. - Recek, N. - Primc, G. - Vesel, A. - Zaplotnik, R. - Gselman, P.: Wettability increase in plasma-treated agricultural seeds and its relation to germination improvement. In: Agronomy, Vol. 11, No. 8, 2021, art. no. 1467 - SCI ; SCOPUS
[o1] 2021 Kamseu-Mogo, J. P. - Kamgang-Youbi, G. - Djepang, S. A. - Tamo, B. S. - Laminsi, S.: Treatment of Maize Seeds (Zea Mays) by Nonthermal Plasma Generated by Gliding Electric Discharge for Application in Agriculture. In: IEEE Transactions on Plasma Science, Vol. 49, No. 8, 2021, art. no. 9481344, s. 2318-2328 - SCI ; SCOPUS

ADC27 Demčáková, Alexandra [UKOPREEM] (40%) - Šerá, Božena [UKOPREEM] (40%) - Šerý, Michal (20%): Environmental pollution as a part of environmental education in school education - example from Slovakia
Lit.: 24 zázn.
In: Fresenius Environmental Bulletin. - Roč. 30, č. 2A (2021), s. 2045-2052. - ISSN (print) 1018-4619
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,182
SNIP (SCOPUS) 2020=0,515

CiteScore (SCOPUS) 2020=0,7
IF (JCR) 2020=0.489
Kvartil Q:
wos-jcr -- Q4 [Environmental sciences] -- 2020
scimago-sjr -- Q4 [Environmental chemistry] -- 2020
scimago-sjr -- Q4 [Pollution] -- 2020
scimago-sjr -- Q4 [Waste management and disposal] -- 2020

ADC28 Šerá, Božena [UKOPREEM] (40%) - Scholtz, Vladimír (10%) - Jirešová, Jana (20%) - Khun, Josef (10%) - Julák, Jaroslav (10%) - Šerý, Michal (10%): Effects of Non-Thermal Plasma Treatment on Seed Germination and Early Growth of Leguminous Plants A Review [elektronický dokument]
Lit.: 94 zázn.
In: Plants-Basel [elektronický dokument]. - Roč. 10, č. 8 (2021), s. [1-15], art. no. 1616 [online]. - ISSN (online) 2223-7747
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,892
SNIP (SCOPUS) 2020=1,467
CiteScore (SCOPUS) 2020=2,2
IF (JCR) 2020=3.935
Kvartil Q:
wos-jcr -- Q1 [Plant sciences] -- 2020
scimago-sjr -- Q1 [Ecology] -- 2020
scimago-sjr -- Q1 [Ecology, evolution, behavior and systematics] -- 2020
scimago-sjr -- Q1 [Plant science] -- 2020

ADC29 Šerá, Božena [UKOPREEM] (40%) - Šerý, Michal (20%) - Zahoranová, Anna [UKOMFKEF] (20%) - Tomeková, Juliana [UKOMFKEF] (20%): Germination Improvement of Three Pine Species (Pinus) After Diffuse Coplanar Surface Barrier Discharge Plasma Treatment
Lit.: 34 zázn.
In: Plasma Chemistry and Plasma Processing. - Roč. 41, č. 1 (2021), s. 211-226. - ISSN (print) 0272-4324
URL: https://link.springer.com/article/10.1007%2Fs11090-020-10128-5
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,513
SNIP (SCOPUS) 2020=1,053
CiteScore (SCOPUS) 2020=4,6
IF (JCR) 2020=3,148
Kvartil Q:
wos-jcr -- Q2 [Engineering, chemical] -- 2020
wos-jcr -- Q2 [Physics, fluids & plasmas] -- 2020
wos-jcr -- Q2 [Physics, applied] -- 2020
scimago-sjr -- Q2 [Chemical engineering (miscellaneous)] -- 2020
scimago-sjr -- Q2 [Chemistry (miscellaneous)] -- 2020
scimago-sjr -- Q2 [Condensed matter physics] -- 2020
scimago-sjr -- Q2 [Surfaces, coatings and films] -- 2020
Ohlasy (4):
[o1] 2021 Dahle, S. - Pilko, M. - Žigon, J. - Zaplotnik, R. - Petrič, M. - Pavlič, M.: An open-source surface barrier discharge plasma pretreatment for reduced cracking of outdoor wood coatings. In: Cellulose, Vol. 28, No. 12, 2021, s.8055-8076 - SCI ; SCOPUS
[o1] 2021 Liu, C. - Cui, J. - Zhang, D. - Tang, H. - Gong, B. - Zu, S. - Zhong, C.: Decontamination of infected plant seeds utilizing atmospheric gliding arc discharge plasma treatment. In: Plasma Science and Technology, Vol. 23, No. 10,2021, art. no. 105501 - SCI ; SCOPUS

[o1] 2021 Waskow, A. - Howling, A. - Furno, I.: Advantages and Limitations of Surface Analysis Techniques on Plasma-Treated Arabidopsis thaliana Seeds. In: Frontiers in Materials, Vol. 8, 2021, art. no. 642099 - SCI ; SCOPUS
[n1] 2022 Attri, P. - Okumura, T. - Koga, K. - Shiratani, M. - Wang, D. - Takahashi, K. - Takaki, K.: Outcomes of Pulsed Electric Fields and Nonthermal Plasma Treatments on Seed Germination and Protein Functions. In: Agronomy, Vol. 12, No. 2,2022, art. no. 482 - SCI ; SCOPUS

ADC30 Šerá, Božena [UKOPREEM] (30%) - Vaňková, Radomíra (30%) - Roháček, Karel (30%) - Šerý, Michal (10%): Gliding arc plasma treatment of maize (Zea mays l.) grains promotes seed germination and early growth, affecting hormone pools, but not significantly photosynthetic parameters [elektronický dokument]
Lit.: 34 zázn.
In: Agronomy-Basel [elektronický dokument]. - Roč. 11, č. 10 (2021), s. [1-9], art. no. 2066 [online]. - ISSN (online) 2073-4395
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,707
SNIP (SCOPUS) 2020=1,331
CiteScore (SCOPUS) 2020=2,6
IF (JCR) 2020=3,417
Kvartil Q:
wos-jcr -- Q1 [Agronomy] -- 2020
wos-jcr -- Q1 [Plant sciences] -- 2020
scimago-sjr -- Q1 [Agronomy and crop science] -- 2020

ADC31 Englický, Tomáš (60%) - Šerá, Božena [UKOPREEM] (40%): The Preference of Some Myrmecochorous Plants of Forest Stands by Red Wood Ant (Formica rufa L.) Experiment on Seeds with Elaiosomes [elektronický dokument]
Lit.: 34 zázn.
In: Russian Journal of Ecology [elektronický dokument]. - Roč. 49, č. 6 (2018), s. 577-583 [print]. - ISSN (print) 1067-4136
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
IF (JCR) 2018=0,497
Kvartil Q:
wos-jcr – Q4 [ecology] – 2018

ADD Vedecké práce v domácich karentovaných časopisoch

ADD01 Šerá, Božena [UKOPREEM] (50%) - Balounová, Zuzana (40%): Biomass and energy allocation in two orchids - Dactylorhiza majalis and D-fuchsii (Orchidaceae)
Lit.: 21 zázn., 5 obr., 3 tab.
In: Biologia. - Vol. 54, No. 1 (1999), s. 51-59. - ISSN (print) 0006-3088
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 1999=0,220
Ohlasy (3):
[o2] 2002 Kovacova, M. - Schieber, B.: Growth analysis and energy accumulation in aboveground biomass of the population Galium odoratum (L.) S c o p. (Rubiaceae) in submountain beech forest. In: Ekologia Bratislava, Vol. 21, No. 1, 2002, s.15-26 – SCOPUS ; SCI
[o1] 2003 Oien, D.-I. - Pedersen, B.: Seasonal pattern of dry matter allocation in Dactylorhiza lapponica (Orchidaceae) and the relation between tuber size and flowering. In: Nordic Journal of Botany, Vol. 23, No. 4, 2003, s. 441-451 – SCOPUS ; SCI

[o1] 2006 Hrivnak, R. - Gomory, D. - Cvachova, A.: Inter-annual variability of the abundance and morphology of Dactylorhiza majalis (Orchidaceae-Orchideae) in two permanent plots of a mire in Slovakia. In: Phyton - Annales Rei Botanicae, Vol.46, No. 1, 2006, s. 27-44 – SCOPUS ; SCI

ADD02 Šerá, Božena [UKOPREEM] (40%) - Falta, Vladan (30%) - Cudlín, Pavel (20%) - Chmelíková, Ewa (10%): Contribution to knowledge of natural growth and development of mountain Norway spruce seedlings
Lit.: 10 zázn., 5 obr., 3 tab.
In: Ekológia [Bratislava]. - Vol. 19, No. 4 (2000), s. 420-434. - ISSN 1335-342X
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2000=0,109
Ohlasy (10):
[o1] 2005 Dixon, F.L. - Clay, D.V. - Willoughby, I.: The relative efficacy of herbicides for the control of Deschampsia flexuosa (L.) Trin. in woodland establishment in the UK. In: Forestry, Vol. 78, No. 3, 2005, s. 229-238 – SCOPUS ; SCI
[03] 2006 Ulbrichova, I. - Remes, J. - Zahradnik, D.: Development of the spruce natural regeneration on mountain sites in the Sumava Mts. In: Journal of Forest Science, Vol. 52, No. 10, 2006, s. 446-456 - SCOPUS
[o1] 2008 Spulak, O.: Natural regeneration of beech and competition from weed in the summit part of the Jizerske hory Mts. (Czech Republic). In: Austrian Journal of Forest Science, Vol. 125, No. 1, 2008, s. 79-88 - SCOPUS
[o1] 2009 Spulak, O. - Dusek, D.: Comparison of the impact of blue spruce and reed Calamagrostis villosa on forest soil chemical properties. In: Journal of Forest Science, Vol. 55, No. 5, 2009, s. 208-214 - SCOPUS
[o1] 2010 Vacek, S. - Noskova, I. - Bilek, L. - Vacek, Z. - Schwarz, O.: Regeneration of forest stands on permanent research plots in the Krkonose Mts. In: Journal of Forest Science, Vol. 56, No. 11, 2010, s. 541-554 - SCOPUS
[o1] 2011 Senfeldr, M. - Madera, P.: Population structure and reproductive strategy of Norway spruce (Picea abies L. Karst) above the former pastoral timberline in the Hruby Jesenik Mountains, Czech Republic. In: Mountain Research and Development, Vol. 31, No. 2, 2011, s. 131-143 - SCOPUS
[o1] 2014 Cervenka, J. - Bace, R. - Svoboda, M.: Stand-replacing disturbance does not directly alter the succession of Norway spruce regeneration on dead wood. In: Journal of Forest Science, Vol. 60, No. 10, 2014, s. 417-424 - SCOPUS
[o1] 2014 Dovciak, M. - Hrivnak, R. - Ujhazy, K. - Gomory, D.: Patterns of grassland invasions by trees: Insights from demographic and genetic spatial analyses. In: Journal of Plant Ecology, Vol. 8, No. 5, 2014, s. 468-479 - SCOPUS
[o1] 2017 Vacek, Z. - Bulusek, D. - Vacek, S. - Hejcmanova, P. - Remes, J. - Bilek, L. - Stefancik, I.: Effect of microrelief and vegetation cover on natural regeneration in European beech forests in Krkonose national parks (Czech Republic, Poland). In: Austrian Journal of Forest Science, Vol. 134, No. 1, 2017, s. 75-96 - SCOPUS
[o1] 2019 Vacek, S. - Vacek, Z. - Bilek, L. - Remes, J. - Hunova, I. - Bulusek, D. - Kral, J. - Brichta, J.: Stand dynamics in natural scots pine forests as a model for adaptation management?. In: Dendrobiology, Vol. 82, 2019, s. 24-42 - SCOPU

ADD03 Šerá, Božena [UKOPREEM] (80%) - Cudlín, Pavel (20%): Flood impact on vegetation communities
Lit.: 21 zázn., 2 obr., 3 tab.
In: Ekológia [Bratislava]. - Vol. 20, No. 1 (2001), s. 38-46. - ISSN 1335-342X
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2001=0,192
Ohlasy (4):
[o1] 2005 Tryjanowski, P. - Jerzak, L. - Radkiewicz, J.: Effect of water level and livestock on the productivity and numbers of breeding White Storks. In: Waterbirds, Vol. 28, No. 3, 2005, s. 378-382 – SCOPUS ; SCI
[o1] 2005 Bagstad, K.J. - Stromberg, J.C. - Lite, S.J.: Response of herbaceous riparian plants to rain and flooding on the San Pedro River, Arizona, USA. In: Wetlands, Vol. 25, No. 1, 2005, s. 210-223 – SCOPUS ; SCI

[o1] 2009 Tryjanowski, P. - Sparks, T.H. - Profus, P.: Severe flooding causes a crash in production of white stork (Ciconia ciconia) chicks across Central and Eastern Europe. In: Basic and Applied Ecology, Vol. 10, No. 4, 2009, s. 387-392 - SCOPUS
[o1] 2019 Wang, Q. - Li, Z. - Lin, M. - Ye, S. - Li, W. - Guo, C. - Huang, G. - Yuan, J. - Liu, J. - De, Silva S.S.: A changed post-flood management strategy enables the culture-based fishery of the Liangzi Lake, Yangtze River Basin, China, toremain economically and environmentally viable. In: Fisheries Management and Ecology, Vol. 26, No. 6, 2019, s. 548-557 - SCOPUS

ADD04 Šerá, Božena [UKOPREEM] (20%) - Feráková, Viera [UKOPRBBO] (16%) - Kocianová, Eva (16%) - Vágenknecht, Vlastizdar (16%) - Majzlan, Oto [UKOPREEM] (16%) - Dúbravcová, Zuzana [UKOPRBBO] (16%): Peucedanum arenarium subsp. arenarium - a critically endangered species of the Slovak flora (morphometry, distribution, biology)
Lit.: 5 zázn.
In: Biologia. - Roč. 60, č. 1 (2005), s. 17-23. - ISSN (print) 0006-3088
Indikátor časopisu:
IF (JCR) 2005=0,240
Ohlasy (4):
[o1] 2008 Coyle, D.R. - Mattson, W.J. - Raffa, K.F.: Invasive root-feeding insects in natural forest ecosystems of North America. In: Root Feeders: An Ecosystem Perspective. Wallingford : CABI Publishing, 2008, S. 134-149 - BKCI-S
[o1] 2012 Sajna, N. - Kavar, T. - Sustar-Vozlie, J. - Kaligarie, M.: Population genetics of the narrow endemic Hladnikia pastinacifolia Rchb. (Apiaceae) indicates survival in situ during the pleistocene. In: Acta Biologica Cracoviensia Series Botanica, Vol. 54, No. 1, 2012, s. 84-96 - SCOPUS
[o1] 2019 Gultekin, N. - Davidian, G.E. - Gultekin, L. - Korotyaev, B.A.: Sciaphilus asperatus (Bonsdorff, 1785) (Coleoptera: Curculionidae): First Record for Turkey and Data on its General Distribution. In: Coleopterists Bulletin, Vol. 73, No. 1, 2019, s. 225-232 - SCOPUS
[o1] 2020 Franco, G.G. - Verdugo, A. - Tinaut, A.: First record of Molorchus (Caenoptera) minor (linnaeus, 1758) (coleoptera, cerambycidae) from the iberian peninsula. In: Boletin de la Asociacion Espanola de Entomologia, Vol. 44, No. 1-2,2020, s. 227-229 - SCOPUS

ADD05 Šerá, Božena [UKOPREEM] (100%) : Road vegetation in Central Europe - An example from the Czech Republic
Lit.: 39 zázn., 1 obr.
In: Biologia. - Vol. 63, No. 6 (2008), s. 1085-1088. - ISSN (print) 0006-3088
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2008=0,406
Ohlasy (20):
[o1] 2016 Deak, B. - Tothmeresz, B. - Valko, O. - Sudnik-Wojcikowska, B. - Moysiyenko, I.I. - Bragina, T.M. - Apostolova, I. - Dembicz, I. - Bykov, N.I. - Torok, P.: Cultural monuments and nature conservation: a review of the role of kurgans in the conservation and restoration of steppe vegetation. In: Biodiversity and Conservation, Vol. 25, No. 12, Sp. Iss., 2016, s. 2473-2490 - SCI
[o1] 2017 Szentesi, A. - Gyorgy, Z. - Jermy, T. - Kiss, B.: Seasonal changes in bruchid (Coleoptera: Chrysomelidae: Bruchinae) assemblages along managed highway ecotones. In: European Journal of Entomology, Vol. 114, 2017, s. 488-499 - SCI
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[o1] 2018 Chaudron, C. - Perronne, R. - Di Pietro, F.: Functional response of plant assemblages to management practices in road-field boundaries. In: Applied Vegetation Science, Vol. 21, No. 1, 2018, s. 33-44 - SCI
[o1] 2018 Fekete, R. - Mesterhazy, A. - Valko, O. - Molnar, V.A.: A hitchhiker from the beach: The spread of the maritime halophyte Cochlearia danica along salted continental roads. In: Preslia, Vol. 90, No. 1, 2018, s. 23-37 - SCI

[o1] 2018 Wang, Y.H. - Ma, Y.L. - Feng, G.J. - Li, H.H.: Abiotic factors affecting seed germination and early seedling emergence of large crabgrass (Digitaria sanguinalis). In: Planta Daninha, Vol. 36, 2018, Art. No. e018166895 - SCI
[o1] 2020 Szatmari, P.-M. - Hurdu, B.-I.: Dittrichia graveolens (Asteraceae) - a new alien plant species for Romania. In: Contributii Botanice, Vol. 55, 2020, s. 49-58 - SCOPUS
[o1] 2010 Jauni, M. - Hyvonen, T.: Invasion level of alien plants in semi-natural agricultural habitats in boreal region. In: Agriculture, Ecosystems and Environment, Vol. 138, No. 1-2, 2010, s. 109-115 - SCOPUS
[o1] 2011 Hayasaka, D. - Akasaka, M. - Miyauchi, D. - Uchida, T.: Classification of roadside weeds along two highways in different climatic zones according to ecomorphological traits. In: Weed Technology, Vol. 25, No. 3, 2011, s. 411-421 -SCOPUS
[o1] 2012 Feng, L. - Li, X.-R. - Zhang, J.-G. - Li, X.-J. - Su, J.-Q.: Vegetation Alteration in Response to Highway Construction in the Desertified Steppe Zone of the Tengger Desert, North China. In: Arid Land Research and Management, Vol. 26,No. 1, 2012, s. 59-78 - SCOPUS
[o1] 2012 Tan, X. - Gao, Y. - Guo, X. - Zhao, T. - Wang, L.: Physiological characteristics and comprehensive evaluation of drought resistance in five plants used for roadside ecological restoration. In: Shengtai Xuebao/ Acta Ecologica Sinica,Vol. 32, No. 16, 2012, s. 5076-5086 - SCOPUS
[o1] 2013 Knapp, M. - Saska, P. - Knappova, J. - Vonicka, P. - Moravec, P. - Kurka, A. - Andel, P.: The habitat-specific effects of highway proximity on ground-dwelling arthropods: Implications for biodiversity conservation. In: Biological Conservation, Vol. 164, 2013, s. 22-29 - SCOPUS
[o1] 2013 Tan, X.H. - Zhang, C.Y. - Kong, F.C. - Huang, D.W.: The plant diversity and soil physicochemical properties of five national roads in XuZhou area, China. In: Advanced Materials Research, Vol. 726-731, 2013, s. 4029-4032 - SCOPUS
[o1] 2013 Francis, R.A. - Chadwick, M.A.: Urban Ecosystems: Understanding the Human Environment. Abingdon : Routledge, 2013,, S. 1-220 - BKCI-S
[o1] 2013 Macias, A. - Gadzinski, J.: Assessment of road transport environmental impact as illustrated by a metropolitan area. In: Polish Journal of Environmental Studies, Vol. 22, No. 6, 2013, s. 1749-1758 - SCOPUS
[o2] 2014 Kiraly, G. - Elias, P. - Dite, D.: Two thermophilic alien species new to the flora of Slovakia. In: Thaiszia Journal of Botany, Vol. 24, No. 2, 2014, s. 125-134 - SCOPUS
[o2] 2016 Dudas, M. - Fabianova, J. - Elias jun, P. - Dite, D. - Ditetova, Z.: Occurrence and coenology of halophilous species Taraxacum bessarabicum (Hornem.) Hand.-Mazz. (sect. Piesis) in Slovakia. In: Thaiszia Journal of Botany, Vol. 26,No. 1, 2016, s. 41-56 - SCOPUS
[o2] 2016 Dite, D. - Ditetova, Z.: Halophytes spreading along roadsides of Northern Slovakia. In: Thaiszia Journal of Botany, Vol. 26, No. 2, 2016, s. 165-172 - SCOPUS
[o1] 2018 Dite, D. - Ditetova, Z. - Elias, P. - Suvada, R.: Rare plant species of salt marshes of the Croatian coast. In: Hacquetia, Vol. 17, No. 2, 2018, s. 221-234 - SCOPUS
[o1] 2019 Guneroglu, N. - Bekar, M. - Kaya, Sahin E.: Plant selection for roadside design: the view of landscape architects. In: Environmental Science and Pollution Research, Vol. 26, No. 33, 2019, s. 34430-34439 - SCOPUS

ADD06 Šerá, Božena [UKOPREEM] (60%) - Novák, František (40%): The effect of humic substances on germination and early growth of Lamb's Quarters (Chenopodium album agg.)
Lit.: 37 zázn., 2 obr., 2 tab.
In: Biologia. - Vol. 66, No. 3 (2011), s. 470-476. - ISSN (print) 0006-3088
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2011=0,557
Ohlasy (7):
[o1] 2014 David, J. - Smejkalova, D. - Hudecova, S. - Zmeskal, O. - von Wandruszka, R. - Gregor, T. - Kucerik, J.: The physico-chemical properties and biostimulative activities of humic substances regenerated from lignite. In: Springer Plus, Vol. 3, No. 1, 2014, s. 1-16 - SCI ; SCOPUS
[o1] 2017 Abbasi, S.B. - Gul, B. - Khan, N. - Gulzar, S. - Ahmed, M.Z.: Effect of humic acid on seed germination of sub-tropical halophytes under salt stress. In: Pakistan Journal of Botany, Vol. 49, No. 6, 2017, s. 2079-2088 - SCI ; SCOPUS
[o1] 2017 Rodrigues, L.A. - Alves, C.Z. - Rego, C.H.Q. - da Silva, T.R.B. - da Silva, J.B.: Humic acid on germination and vigor of corn seeds. In: Revista Caatinga, Vol. 30, No. 1, 2017, s. 149-154 - SCI ; SCOPUS

[o1] 2017 Cha, J.-Y. - Kim, T.-W. - Choi, J.H. - Jang, K.-S. - Khaleda, L. - Kim, W.-Y. - Jeon, J.-R.: Fungal Laccase-Catalyzed Oxidation of Naturally Occurring Phenols for Enhanced Germination and Salt Tolerance of Arabidopsis thaliana: A Green Route for Synthesizing Humic-like Fertilizers. In: Journal of Agricultural and Food Chemistry, Vol. 65, No. 6, 2017, s. 1167-1177 - SCI ; SCOPUS
[o1] 2019 Pinos, N.Q. - Berbara, R.L.L. - Tavares, O.C.H. - Garcia, A.C.: Different Structures in Humic Substances Lead to Impaired Germination but Increased Protection against Saline Stress in Corn. In: Communications in Soil Science and Plant Analysis, Vol.50, Iss. 17, 2019, s. 2209-2225 - SCOPUS ; SCI
[o1] 2020 Zegzouti, Y. - Boutafda, A. - Ezzariai, A. - El Fels, L. - El Hadek, M. - Hassani, L.A.I. - Hafidi, M.: Bioremediation of landfill leachate by Aspergillus flavus in submerged culture: Evaluation of the process efficiency by physicochemical methods and 3D fluorescence spectroscopy. In: Journal of Environmental Management, Vol. 255, 2020, Art. No. 109821 - SCOPUS
[o1] 2018 El-Zeadani, H. - Abubaker, J. - Essalem, M. - Alghali, A.: Germination of several wheat cultivars in desert soil after amendment with raw and digested poultry manure with and without combination with mineral fertilizer. In: International Journal of Recycling of Organic Waste in Agriculture, Vol. 7, No. 4, 2018, s. 335-343 - SCOPUS

ADD07 Šerá, Božena [UKOPREEM] (100%) : Which stem parts of Slender speedwell (Veronica filiformis) are the most successful in plant regeneration?
Lit.: 21 zázn., 6 obr.
In: Biologia. - Vol. 67, No. 1 (2012), s. 110-115. - ISSN (print) 0006-3088
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2012=0,506
Ohlasy (2):
[o1] 2012 Scalone, R. - Albach, D.C.: Degradation of sexual reproduction in Veronica filiformis after introduction to Europe. In: BMC Evolutionary Biology, Vol. 12, No. 1, 2012, Art. No. 233 - SCOPUS
[o1] 2017 Vinogradova, Y.K. - Kuklina, A.G. - Galkina, M.A.: The dynamics of clonal dispersal and regenerative activity of Veronica filiformis J.E. Smith. In: Russian Journal of Biological Invasions, Vol. 8, No. 3, 2017, s. 197-205 - SCOPUS

ADD08 Hanousková, Irena (20%) - Boháč, Jaroslav (16%) - Sedláček, František (16%) - Šerá, Božena [UKOPREEM] (16%) - Lepšová, Anna (16%) - Zacharda, Miroslav (16%): Harmful organisms in urban green areas = Škodlivé organizmy z prostředí urbánní zeleně
Duplikát záznamu ADC pre autorku zo Slovenska
Lit.: 17 zázn., 8 obr.
In: Ekológia [Bratislava]. - Vol. 23, Suppl. 1 (2004), s. 58-68. - ISSN 1335-342X
[13th International Symposium on Problems of Landscape Ecological Research. Mojmírovce, 30.9.-3.10.2003]
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2004=0,078
Ohlasy (1):
[o1] 2016 Garcia-Garcia, M.J. - Sanchez-Medina, A. - Alfonso-Corzo, E. - Gonzalez, Garcia C.: An index to identify suitable species in urban green areas. In: Urban Forestry and Urban Greening, Vol. 16, 2016, s. 43-49 - SCOPUS

ADE Vedecké práce v ostatných zahraničných časopisoch

ADE01 Šerá, Božena [UKOPREEM] (30%) - Cudlín, Pavel (25%) - Dušek, Ladislav (25%) - Hofman, Jakub (20%): Vegetation and soil at the terraces of the Drevnice and the Morava rivers after flood
Lit.: 51 zázn., 5 tab., 1 obr.
In: Ekológia [Bratislava]. - Vol. 27, No. 4 (2008), s. 430-445. - ISSN 1335-342X
Registrované v: scopus
Ohlasy (1):

[o1] 2014 Bednarek, W. - Dresler, S. - Tkaczyk, P. - Hanaka, A.: Physicochemical properties of surface soil layer after the flood in the middle Vistula River valley. In: Journal of Elementology, Vol. 19, No. 1, 2014, s. 17-29 - SCOPUS

ADE02 Šerá, Božena [UKOPREEM] (100%) : Simple Traits among Diaspore Weight/Number, Plant Height and Ability of Vegetative Propagation
Lit.: 54 zázn.
In: Journal of Integrative Plant Biology. - Vol. 50, No. 12 (2008), s. 1563-1569. - ISSN 1672-9072
Registrované v: wos
Indikátor časopisu:
IF (JCR) 2008=0,859
Ohlasy (1):
[o1] 2018 Fichtner, A. Matthies, D. - Armbrust, M. - Jansen, D. - Sturm, K. - Walmsley, D. - von Oheimb, G. - Hardtle, W.: Nitrogen cycling and storage in Gagea spathacea (Liliaceae): ecological insights for protecting a rare woodland species. In: Plant Ecology, Vol. 219, No. 9, 2018, s. 1117-1126 - SCI

ADE03 Vrchotová, Naděžda (60%) - Šerá, Božena [UKOPREEM] (40%): Allelopathic properties of knotweed rhizome extracts
Lit.: 15 zázn., 1 tab.
In: Plant Soil and Environment. - Vol. 54, No. 7 (2008), s. 301-303. - ISSN 1214-1178
Registrované v: wos
Registrované v: scopus
Ohlasy (27):
[o1] 2016 Gillies, S. - Clements, D.R. - Grenz, J.: Knotweed (fallopia spp.) Invasion of North America Utilizes Hybridization, Epigenetics, Seed Dispersal (unexpectedly), and an Arsenal of Physiological Tactics. In: Invasive Plant Science and Management, Vol. 9, No. 1, 2016, s. 71-80 - SCI
[o1] 2016 Mincheva, T. - Barni, E. - Siniscalco, C.: From plant traits to invasion success: Impacts of the alien Fallopia japonica (Houtt.) Ronse Decraene on two native grassland species. In: Plant Biosystems, Vol. 150, No. 6, 2016, s.1348-1357 - SCI
[o1] 2016 Serniak, L.T.: Comparison of the allelopathic effects and uptake of Fallopia japonica phytochemicals by Raphanus sativus. In: Weed Research, Vol. 56, No. 2, 2016, s. 97-101 - SCI
[o1] 2017 Koce, J.D. - Soln, K.: Phyton-Annales rei Botanicae, Vol. 57, No. 1-2, 2017, s. 53-63 - SCI
[o2] 2018 Halas, P. - Svec, P. - Lacina, J. - Martinkova, M.: Environmental impact of a large-scale chemical elimination of Reynoutria spp. on the alluvium of the Moravka river - examination of vegetation changes in floodplain forests. In: Biologia, Vol. 73, No. 1, 2018, s. 9-20 - SCI
[o1] 2018 Jovanovic, S. - Hlavati-Sirka, V. - Lakusic, D. - Jogan, N. - Nikolic, T. - Anastasiu, P. - Vladimirov, V. - Sinzar-Sekulic, J.: Reynoutria niche modelling and protected area prioritization for restoration and protection from invasion: A Southeastern Europe case study. In: Journal for Nature Conservation, Vol. 41, February, 2018, s. 1-15 - SCI
[o1] 2018 Novak, N. - Novak, M. - Baric, K. - Scepanovic, M. - Ivic, D.: Allelopathic potential of segetal and ruderal invasive alien plants. In: Journal of Central European Agriculture, Vol. 19, No. 2, 2018, s. 408-422 - SCI
[o1] 2019 Vukovic, N. - Segota, V. - Alegro, A. - Koletic, N. - Rimac, A. - Dekanic, S.: â śFlying under the radar' - how misleading distributional data led to wrong appreciation of knotweeds invasion (Reynoutria spp.) in Croatia. In: Bioinvasions Records, Vol. 8, No. 1, 2019, s.175-189 - SCI
[o1] 2019 Jia, W.W. - Chen, Z.B. - Zhao, Y.Y. - Li, K. - Tichnell, B. - Tang, Z.H. - Ruso, J.M. - Liu, Z.: The study of ultrasound-assisted extraction of flavonoids from Polygonum cuspidatum Sieb. et Zucc. In: Journal of Materials Research, Vol. 34, No. 19, 2019, s. 3254-3262 - SCOPUS ; SCI
[o1] 2009 Bashtanova, U.B. - Beckett, K.P. - Flowers, T.J.: Review: Physiological approaches to the improvement of chemical control of Japanese knotweed (Fallopia japonica). In: Weed Science, Vol. 57, No. 6, 2009, s. 584-592 - SCOPUS
[o1] 2010 Maurel, N. - Salmon, S. - Ponge, J.-F. - Machon, N. - Moret, J. - Muratet, A.: Does the invasive species Reynoutria japonica have an impact on soil and flora in urban wastelands?. In: Biological Invasions, Vol. 12, No. 6, 2010, s.1709-1719 - SCOPUS

[o1] 2010 Small, C.J. - White, D.C. - Hargbol, B.: Allelopathic influences of the invasive Ailanthus altissima on a native and a non-native herb1,2. In: Journal of the Torrey Botanical Society, Vol. 137, No. 4, 2010, s. 366-372 - SCOPUS
[o1] 2011 Murrell, C. - Gerber, E. - Krebs, C. - Parepa, M. - Schaffner, U. - Bossdorf, O.: Invasive knotweed affects native plants through allelopathy. In: American Journal of Botany, Vol. 98, No. 1, 2011, s. 38-43 - SCOPUS
[o1] 2011 Zhang, S. - Liu, J. - Bao, X. - Niu, K.: Seed-to-seed potential allelopathic effects between Ligularia virgaurea and native grass species of Tibetan alpine grasslands. In: Ecological Research, Vol. 26, No. 1, 2011, s. 47-52 - SCOPUS
[o1] 2011 Popovici, J. - Bertrand, C. - Jacquemoud, D. - Bellvert, F. - Fernandez, M.P. - Comte, G. - Piola, F.: An allelochemical from myrica gale with strong phytotoxic activity against highly invasive Fallopia x bohemica taxa. In: Molecules, Vol. 16, No. 3, 2011, s. 2323-2333 - SCOPUS
[o1] 2012 Soltysiak, J. - Brej, T.: Characteristics that make the Fallopia genus (Polygonaceae) highly invasive. In: Ecological Questions, Vol. 16, 2012, s. 23-27 - SCOPUS
[o1] 2012 Urgenson, L.S. - Reichard, S.H. - Halpern, C.B.: Multiple competitive mechanisms underlie the effects of a strong invader on early- to late-seral tree seedlings. In: Journal of Ecology, Vol. 100, No. 5, 2012, s. 1204-1215 - SCOPUS
[o1] 2013 Claeson, S.M. - Bisson, P.A.: Passive reestablishment of riparian vegetation following removal of invasive knotweed (Polygonum). In: Invasive Plant Science and Management, Vol. 6, No. 2, 2013, s. 208-218 - SCOPUS
[o1] 2013 Piola, F. - Bellvert, F. - Meiffren, G. - Rouifed, S. - Walker, V. - Comte, G. - Bertrand, C.: Invasive Fallopia x Bohemica interspecific hybrids display different patterns in secondary metabolites. In: Ecoscience, Vol. 20, No. 3,2013, s. 230-239 - SCOPUS
[o1] 2013 Dommanget, F. - Spiegelberger, T. - Cavaille, P. - Evette, A.: Light availability prevails over soil fertility and structure in the performance of Asian knotweeds on riverbanks: New management perspectives. In: Environmental Management, Vol. 52, No. 6, 2013, s. 1453-1462 - SCOPUS
[o1] 2014 Dommanget, F. - Evette, A. - Spiegelberger, T. - Gallet, C. - Pace, M. - Imbert, M. - Navas, M.-L.: Differential allelopathic effects of Japanese knotweed on willow and cottonwood cuttings used in riverbank restoration techniques. In: Journal of Environmental Management, Vol. 132, 2014, s. 71-78 - SCOPUS
[o1] 2014 Hedenec, P. - Novotny, D. - Ustak, S. - Cajthaml, T. - Slejska, A. - Simackova, H. - Honzik, R. - Kovarova, M. - Frouz, J.: The effect of native and introduced biofuel crops on the composition of soil biota communities. In: Biomassand Bioenergy, Vol. 60, 2014, s. 137-146 - SCOPUS
[o1] 2014 Hedenec, P. - Novotny, D. - Ust'ak, S. - Honzik, R. - Kovarova, M. - Simackova, H. - Frouz, J.: Allelopathic effect of new introduced biofuel crops on the soil biota: A comparative study. In: European Journal of Soil Biology, Vol.63, 2014, s. 14-20 - SCOPUS
[o1] 2014 Urgenson, L.S. - Reichard, S.H. - Halpern, C.B.: Habitat factors and species' traits influence riparian community recovery following removal of bohemian knotweed (Polygonum x bohemicum). In: Northwest Science, Vol. 88, No. 3, 2014,s. 246-260 - SCOPUS
[o1] 2014 Bardon, C. - Piola, F. - Bellvert, F. - Haichar, F.E.Z. - Comte, G. - Meiffren, G. - Pommier, T. - Puijalon, S. - Tsafack, N. - Poly, F.: Evidence for biological denitrification inhibition (BDI) by plant secondary metabolites. In: New Phytologist, Vol. 204, No. 3, 2014, s. 620-630 - SCOPUS
[o1] 2015 Podrouzkova, S. - Janovsky, Z. - Horackova, J. - Jurickova, L.: Do snails eat exotic plant species invading river floodplains?. In: Journal of Molluscan Studies, Vol. 81, No. 1, 2015, s. 139-146 - SCOPUS
[o1] 2018 Laznik, Z. - Bohinc, T. - Trdan, S.: Applicability of invasive alien plants in controlling harmful organisms of cultivated plants. In: Acta Agriculturae Slovenica, Vol. 111, No. 2, 2018, s. 501-509 - SCOPUS

ADE04 Vrchotová, Naděžda (50%) - Šerá, Božena [UKOPREEM] (40%) - Dadáková, Eva (10%): HPLC and CE analysis of catechins, stilbens and quercetin in flowers and stems of Polygonum cuspidatum, P. sachalinense and P. x bohemicum
Vol. 87, No. 10 (2010) nie je v databáze CCC, IF nie je uvedený
Lit.: 36 zázn., 3 obr., 1 tab.
In: Journal of the Indian Chemical Society. - Vol. 87, No. 10 (2010), s. 1267-1272. - ISSN 0019-4522
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2010=0,301

Ohlasy (9):
[o1] 2016 Guo, X.X. - Liu, J. - Cai, S.B. - Wang, O. - Ji, B.P.: Obesity Research & Clinical Practice, Vol. 10, No. 3, 2016, s. 327-339 - SCI
[o1] 2017 Glavnik, V. - Vovk, I. - Albreht, A.: High performance thin-layer chromatography-mass spectrometry of Japanese knotweed flavan-3-ols and proanthocyanidins on silica gel plates. In: Journal of Chromatography A, Vol. 1482, January,2017, s. 97-108 - SCI
[o1] 2020 Pogacnik, L. - Bergant, T. - Skrt, M. - Ulrih, N.P. - Viktorova, J. - Ruml, T.: In vitro comparison of the bioactivities of Japanese and Bohemian knotweed ethanol extracts. In: Foods, Vol. 9, No. 5, 2020, Art. No. 544 - SCOPUS
[o1] 2020 Khalil, A.A.K. - Akter, K.-M. - Kim, H.-J. - Park, W.S. - Kang, D.-M. - Koo, K.A. - Ahn, M.-J.: Comparative inner morphological and chemical studies on reynoutria species in Korea. In: Plants, Vol. 9, No. 2, 2020, Art. No. 222 -SCOPUS
[o1] 2012 Chen, X.-J. - Zhao, J. - Wang, Y.-T. - Huang, L.-Q. - Li, S.-P.: CE and CEC analysis of phytochemicals in herbal medicines. In: Electrophoresis, Vol. 33, No. 1, 2012, s. 168-179 - SCOPUS
[o1] 2014 Dommanget, F. - Evette, A. - Spiegelberger, T. - Gallet, C. - Pace, M. - Imbert, M. - Navas, M.-L.: Differential allelopathic effects of Japanese knotweed on willow and cottonwood cuttings used in riverbank restoration techniques. In: Journal of Environmental Management, Vol. 132, 2014, s. 71-78 - SCOPUS
[o1] 2014 Kurita, S. - Kashiwagi, T. - Ebisu, T. - Shimamura, T. - Ukeda, H.: Content of resveratrol and glycoside and its contribution to the antioxidative capacity of Polygonum cuspidatum (Itadori) harvested in Kochi. In: Bioscience, Biotechnology and Biochemistry, Vol. 78, No. 3, 2014, s. 499-502 - SCOPUS
[o1] 2016 Ardelean, F. - Moaca, E.A. - Pacurariu, C. - Antal, D.S. - Dehelean, C. - Toma, C.-C. - Dragan, S.: Invasive Polygonum cuspidatum: Physico-chemical analysis of a plant extract with pharmaceutical potential. In: Studia Universitatis Vasile Goldis Arad, Seria Stiintele Vietii, Vol. 26, No. 4, 2016, s. 415-421 - SCOPUS
[o1] 2016 Tucker, Serniak L.: Comparison of the allelopathic effects and uptake of Fallopia japonica phytochemicals by Raphanus sativus. In: Weed Research, Vol. 56, No. 2, 2016, s. 97-101 - SCOPUS

ADF Vedecké práce v ostatných domácich časopisoch

ADF01 Šerá, Božena [UKOPREEM] (60%) - Kobes, Milan (40%): How the Management May Affect Dispersal of Slender Speedwell (Veronica filiformis Smith) in Meadows and Pastures
Lit.: 26 zázn., 5 obr., 2 tab.
In: Acta Environmentalica Universitatis Comenianae [elektronický zdroj]. - Vol. 24, No. 2 (2016), s. 32-40 [online]. - ISSN 1339-9802

ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADM01 Šerá, Božena [UKOPREEM] (100%) : Salt-tolerant trees usable for Central European cities - A review
Lit.: 43 zázn., 2 tab.
In: Horticultural Science. - Vol. 44, No. 1 (2017), s. 43-48. - ISSN 0862-867X
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2017=0,500
Kvartil Q:
wos-jcr -- Q3 [horticulture] – 2017
Ohlasy (2):
[o1] 2019 Thomas, P.A. - Alhamd, O. - Iszkulo, G. - Dering, M. - Mukassabi, T.A.: Biological Flora of the British Isles: Aesculus hippocastanum. In: Journal of Ecology, Vol. 107, No. 2, 2019, s. 992-1030 - SCI ; SCOPUS
[o1] 2020 Cekstere, G. - Osvalde, A. - Elferts, D. - Rose, C. - Lucas, F. - Vollenweider, P.: Salt accumulation and effects within foliage of Tilia x vulgaris trees from the street greenery of Riga, Latvia. In: Science of the Total Environment, Vol. 747, 2020, Art. No. 140921 - SCOPUS

ADM02 Špaková, Markéta (60%) - Šerá, Božena [UKOPREEM] (40%): Woody plants of the main part of the Bečov Botanical Garden = Drvenaste biljke glavnoga dijela botaničkog vrta Bečov
Lit.: 42 zázn.

In: Šumarski list. - č. 7-8 (2018), s. 403-409. - ISSN (print) 0373-1332
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
IF (JCR) 2018=*0,421*
Ohlasy (1):
[o1] 2019 Voronin, A.A. - Lepeshkina, L.A. - Krutova, O.V. - Klevtsova, M.A. - Yeprintsev, S.A.: Assessment of Environmental-Landscape Condition of Territories Botanical Gardens of Forest-Steppe Zone. In: All-Russian research-to-practice conference Ecology and safety in the technosphere: current problems and solutions, IOP Conference Series: Earth and Environmental Science, Vol. 224, No. 1. Bristol : IOP Publishing, 2019, Art. No. 012053 - CPCI-S

ADM03 Šerá, Božena [UKOPREEM] (40%) - Zahoranová, Anna [UKOMFKEF] (25%) - Bujdáková, Helena [UKOPRBMV] (25%) - Šerý, Michal (10%): Disinfection from pine seeds contaminated with fusarium circinatum nirenberg and O Donnell using non-thermal plasma treatment
Lit.: 41 zázn.
In: Romanian Reports in Physics. - Roč. 71, č. 1 (2019), s. [1-12], Art. No. 701. - ISSN (print) 1221-1451
URL: http://www.rrp.infim.ro/2019/AN71701.pdf
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2019=0,502
SNIP (SCOPUS) 2019=0,646
CiteScore (SCOPUS) 2019=3,2
IF (JCR) 2019=2.147
Kvartil Q:
scimago-sjr -- Q2 [Physical and astronomy (miscellaneous)] -- 2019
wos-jcr -- Q2 [Physics, multidisciplinary] -- 2019
Ohlasy (6):
[o1] 2020 Adhikari, B. - Pangomm, K. - Veerana, M. - Mitra, S. - Park, G.: Plant disease control by non-thermal atmospheric-pressure plasma. In: Frontiers in Plant Science, Vol. 11, 2020, Art. No. 77 - SCI ; SCOPUS
[o1] 2020 Holubova, L. - Kyzek, S. - Durovcova, I. - Fabova, J. - Horvathova, E. - Sevcovicova, A. - Galova, E.: Non-thermal plasma-a new green priming agent for plants?. In: International Journal of Molecular Sciences, Vol. 21, No. 24, 2020,Art. No. 9466 - SCOPUS
[o1] 2020 Ghaemi, M. - Majd, A. - Iranbakhsh, A.: Transcriptional responses following seed priming with cold plasma and electromagnetic field in Salvia nemorosa L. In: Journal of Theoretical and Applied Physics, Vol. 14, No. 4, 2020, s.323-328 - SCOPUS
[o1] 2020 Ibanez-Cervantes, G. - Bravata-Alcantara, J.C. - Najera-Cortes, A.S. - Meneses-Cruz, S. - Delgado-Balbuena, L. - Cruz-Cruz, C. - Duran-Manuel, E.M. - Cureno-Diaz, M.A. - Gomez-Zamora, E. - Chavez-Ocana, S. - Sosa-Hernandez, O. -Aguilar-Rojas, A. - Bello-Lopez, J.M.: Disinfection of N95 masks artificially contaminated with SARS-CoV-2 and ESKAPE bacteria using hydrogen peroxide plasma: Impact on the reutilization of disposable devices. In: American Journal of Infection Control, Vol. 48, No. 9, 2020, s. 1037-1041 - SCOPUS
[o1] 2020 Abedi, S. - Iranbakhsh, A. - Oraghi Ardebili, Z. - Ebadi, M.: Seed priming with cold plasma improved early growth, flowering, and protection of Cichorium intybus against selenium nanoparticle. In: Journal of Theoretical and Applied Physics, Vol. 14, No. 2, 2020, s. 113-119 - SCOPUS
[o1] 2020 Kang, M.-H. - Veerana, M. - Eom, S. - Uhm, H.-S. - Ryu, S. - Park, G.: Plasma mediated disinfection of rice seeds in water and air. In: Journal of Physics D: Applied Physics, Vol. 53, No. 21, 2020, Art. No. 214001 - SCOPUS

ADM04 Levandovská, Natalie (50%) - Kolejka, Jaromír (20%) - Šerá, Božena [UKOPREEM] (15%) - Žarnovičan, Hubert [UKOPREEM] (15%): The recreational potential of urban forests an application of the assessment method
Lit.: 46 zázn.
In: Šumarski list. - Roč. 144, č. 1-2 (2020), s. 53-63. - ISSN (print) 0373-1332

Registrované v: wos
Indikátor časopisu:
IF (JCR) 2020=0,456
Kvartil Q:
wos-jcr -- Q4 [forestry] –2020

ADM05 Nafea, Elsayed (60%) - Šerá, Božena [UKOPREEM] (40%): Bioremoval of heavy metals from polluted soil by schoenoplectus litoralis (Schrad.) palla and cyperus rotundus l.
In: Egyptian Journal of Aquatic Biology and Fisheries. - Roč. 24, č. 5 (2020), s. 217-226. - ISSN (print) 1110-6131
Registrované v: scopus
Indikátor časopisu:
SJR (SCOPUS) 2020=0,160 0.217
SNIP (SCOPUS) 2020=0,241 0,680
CiteScore (SCOPUS) 2020=0,3 0,6
Kvartil Q:
scimago-sjr -- Q4 [Aquatic science] – 2020

ADM06 Jirešová, Jana (40%) - Šerá, Božena [UKOPREEM] (30%) - Scholtz, Vladimír (10%) - Khun, Josef (10%) - Šerý, Michal (10%): The dormancy overcoming and affection of early growth of alfalfa (Medicago Sativa L.) seeds by non-thermal plasma and plasma activated water [elektronický dokument]
Lit.: 43 zázn.
In: Romanian Reports in Physics [elektronický dokument]. - Roč. 73, č. 4 (2021), s. [1-11] [print]. - ISSN (print) 1221-1451
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,644
SNIP (SCOPUS) 2020=0,732
CiteScore (SCOPUS) 2020=3,7
IF (JCR) 2020=1.785
Kvartil Q:
wos-jcr -- Q3 [Physics, multidisciplinary] -- 2020
scimago-sjr -- Q2 [Physical and astronomy (miscellaneous)] -- 2020

ADM07 Levandovská, Natalie (30%) - Šerá, Božena [UKOPREEM] (30%) - Žarnovičan, Hubert [UKOPREEM] (30%) - Akbar, Khalid Farooq (10%): Determination of recreation potential in three urban forests = Okreslenie potencjalu rekreacyjnego w trzech roznychlasach miejskich
Lit.: 45 zázn.
In: Sylwan. - Roč. 165, č. 9 (2021), s. 627-638. - ISSN (print) 0039-7660
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,315
SNIP (SCOPUS) 2020=0,215
CiteScore (SCOPUS) 2020=1
IF (JCR) 2020=0.287
Kvartil Q:
wos-jcr -- Q4 [Forestry] -- 2020
scimago-sjr -- Q3 [Forestry] -- 2020

ADM08 Šerá, Božena [UKOPREEM] (30%) - Kraus, Kamil (20%) - Hnilička, František (20%) - Medvecká, Veronika [UKOMFKEF] (15%) - Zahoranová, Anna [UKOMFKEF] (10%) - Šerý, Michal (5%): Effect of atmospheric non-thermal plasma treatment by DCSBD apparatus on sugar beet seeds
Lit.: 38 zázn.
In: Romanian Reports in Physics. - Roč. 73, č. 1 (2021), s. [1-14], art. no. 602. - ISSN (print) 1221-1451
Registrované v: scopus

Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,644
SNIP (SCOPUS) 2020=0,732
CiteScore (SCOPUS) 2020=3,7
IF (JCR) 2020=1.785
Kvartil Q:
wos-jcr -- Q3 [Physics, multidisciplinary] -- 2020
scimago-sjr -- Q2 [Physical and astronomy (miscellaneous)] -- 2020
Ohlasy (1):
[o1] 2021 Bafoil, M. - Yousfi, M. - Dunand, C. - Merbahi, N.: Effects of dielectric barrier ambient air plasma on two brassicaceae seeds: Arabidopsis thaliana and camelina sativa. In: International Journal of Molecular Sciences, Vol. 22, No.18, 2021, art. no. 9923 - SCOPUS

ADM09 Tóthné Bogdányi, Franciska (20%) - Boziné Pullai, Krisztina (8%) - Doshi, Pratik (6%) - Erdős, Eszter (6%) - Gilián, Lilla Diána (6%) - Lajos, Károly (6%) - Leonetti, Paola (6%) - Nagy, Péter István (6%) - Pantaleo, Vitantonio (6%) - Petrikovszki,Renáta (6%) - Šerá, Božena [UKOPREEM] (6%) - Seres, Anikó (6%) - Simon, Barbara (6%) - Tóth, Ferenc (6%): Composted Municipal Green Waste Infused with Biocontrol Agents to Control Plant Parasitic Nematodes A Review [elektronický dokument]
Lit.: 316 zázn.
In: Microorganisms [elektronický dokument]. - Roč. 9, č. 10 (2021), s. [1-40], art. no. 2130 [online]. - ISSN (online) 2076-2607
Registrované v: scopus
Indikátor časopisu:
SJR (SCOPUS) 2020=0,858
SNIP (SCOPUS) 2020=1,017
CiteScore (SCOPUS) 2020=1,70
IF (JCR) 2020=4,128
Kvartil Q:
wos-jcr -- Q2 [Microbiology] -- 2020
scimago-sjr -- Q2 [Microbiology] -- 2020
scimago-sjr -- Q2 [Microbiology (medical)] -- 2020
scimago-sjr -- Q3 [Virology] -- 2020

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií

GII01 - Scholtz, Vladimír (40%) - Khun, Josef (30%) - Šerá, Božena [UKOPREEM] (30%): Nonthermal Plasma for Food Quality and Safety [elektronický dokument]
In: Journal of food quality [elektronický dokument]. - Roč. 2019, č. 01 Jul 2019 (2019), s. [1-1], Art. no. 6468018 [print]. - ISSN (print) 0146-9428
URL: https://downloads.hindawi.com/journals/jfq/2019/6468018.pdf
URL: https://www.hindawi.com/journals/jfq/2019/6468018/
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
SJR (SCOPUS) 2019=0,513
SNIP (SCOPUS) 2019=1,012
CiteScore (SCOPUS) 2019=2,4
IF (JCR) 2019=1,763
Kvartil Q:
wos-jcr -- Q3 [Food science & technology] -- 2019
scimago-sjr -- Q2 [Food science] -- 2019
scimago-sjr -- Q2 [Safety, risk, reliability and quality] -- 2019
Ohlasy (1):

[o1] 2020 Pater, A. - Zdaniewicz, M. - Satora, P. - Khachatryan, G. - Oszczeda, Z.: Application of water treated with low-temperature low-pressure glow plasma for quality improvement of barley and malt. In: Biomolecules, Vol. 10, No. 2, 2020,Art. No. 267 - SCOPUS

GII02 Šerá, Božena [UKOPREEM] (100%) : Tree Regeneration by Seeds in Natural Forests [elektronický dokument]
Lit.: 17 zázn.
In: Forests [elektronický dokument]. - Roč. 12, č. 10 (2021), s. [1-3], art. no. 1346 [online]. - ISSN (online) 1999-4907
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,676
SNIP (SCOPUS) 2020=0,953
CiteScore (SCOPUS) 2020=3,3
IF (JCR) 2020=2.634
Kvartil Q:
wos-jcr -- Q1 [Forestry] -- 2020
scimago-sjr -- Q1 [Forestry] -- 2020

V3 Vedecký výstup publikačnej činnosti z časopisu

V301 Scholtz, Vladimír (25%) - Jirešová, Jana (25%) - Šerá, Božena [UKOPREEM] (25%) - Julák, Jaroslav (25%): A Review of Microbial Decontamination of Cereals by Non-Thermal Plasma [elektronický dokument] UKOVO2022
Lit.: 78 zázn.
In: Foods [elektronický dokument]. - Roč. 10, č. 12 (2021), s. [1-12], art. no. 2927 [online]. - ISSN (online) 2304-8158
Registrované v: scopus
Indikátor časopisu:
SJR (SCOPUS) 2020=0.774
SNIP (SCOPUS) 2020=1.560
CiteScore (SCOPUS) 2020=3.0
IF (JCR) 2020=4.350
Kvartil Q:
wos-jcr -- Q2 [Food science & technology] -- 2020
scimago-sjr -- Q1 [Food science] -- 2020
scimago-sjr -- Q1 [Health professions (miscellaneous)] -- 2020
scimago-sjr -- Q1 [Health (social science)] -- 2020
scimago-sjr -- Q1 [Plant science] -- 2020
scimago-sjr -- Q3 [Microbiology] – 2020

V302 Lachman, Lukáš (50%) - Šerá, Božena [UKOPREEM] (50%): Alien plant species growing near traffic line structures in the Třeboňsko protected landscape area [elektronický dokument]
Lit.: 45 zázn.
In: Annali di botanica [elektronický dokument]. - Roč. 12, č. 5. apríl (2022), s. 11-22 [print]. - ISSN (print) 0365-0812
URL: https://rosa.uniroma1.it/rosa04/annali_di_botanica/article/view/17328
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR - SCOPUS: 2020 - 0,214
SNIP - SCOPUS: 2020 - 0,436
CiteScore - SCOPUS: 2020 - 1,8
IF - JCR: 2020 - 0,722
Kvartil Q:

scimago-sjr -- Q4 [Plant science] -- 2021
wos-jcr -- Q4 [Environmental sciences] -- 2020

V303 Šerá, Božena [UKOPREEM] (70%) - Novák, František (30%): Stimulation of seed germination and early growth by humic substances on poppy, pepper, rape, and hemp
Lit.: 38 zázn.
In: Biologia. - Roč. 77, č. 3 (2022), s. 641-648. - ISSN (print) 0006-3088
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,282
SNIP (SCOPUS) 2020=0,556
CiteScore (SCOPUS) 2020=1,6
IF (JCR) 2020=1,350
Kvartil Q:
wos-jcr -- Q4 [Biology] -- 2020
scimago-sjr -- Q3 [Animal science and zoology] -- 2020
scimago-sjr -- Q3 [Ecology, evolution, behavior and systematics] -- 2020
scimago-sjr -- Q3 [Plant science] -- 2020
scimago-sjr -- Q4 [Biochemistry] -- 2020
scimago-sjr -- Q4 [Cell biology] -- 2020
scimago-sjr -- Q4 [Genetics] -- 2020
scimago-sjr -- Q4 [Molecular biology] -- 2020

O3 Odborný výstup publikačnej činnosti z časopisu

O301 Mildaziene, Vida (25%) - Ivankov, Anatolii (25%) - Šerá, Božena [UKOPREEM] (25%) - Baniulis, Danas (25%): Biochemical and Physiological Plant Processes Affected by Seed Treatment with Non-Thermal Plasma [elektronický dokument]
Lit.: 268 zázn.
In: Plants-Basel [elektronický dokument]. - Roč. 11, č. 7 (2022), s. [1-37], art. no. 856 [online]. - ISSN (online) 2223-7747
URL: https://www.mdpi.com/2223-7747/11/7/856
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
SJR (SCOPUS) 2020=0,892
SNIP (SCOPUS) 2020=1,467
CiteScore (SCOPUS) 2020=2,2
IF (JCR) 2020=3.935
Kvartil Q:
wos-jcr -- Q1 [Plant sciences] -- 2020
scimago-sjr -- Q1 [Ecology] -- 2020
scimago-sjr -- Q1 [Ecology, evolution, behavior and systematics] -- 2020
scimago-sjr -- Q1 [Plant science] – 2020

P1 Pedagogický výstup publikačnej činnosti ako celok

P101 Šerá, Božena [UKOPREEM] (100%): Základy dendrologie: přehled nejčastějších dřevin kolem nás [elektronický dokument]. - 1. vyd. - Bratislava : Univerzita Komenského, 2022. - 108 s. [7,62 AH] [online]
Lit.: 21 zázn.
ISBN 978-80-223-5408-0
Hnilička, František [rec.]
Žarnovičan, Hubert [rec.]

I3 Iný výstup publikačnej činnosti z časopisu

I301 Mildaziene, Vida (50%) - Šerá, Božena [UKOPREEM] (50%): Effects of Non-Thermal Plasma Treatment on Plant Physiological and Biochemical Processes [elektronický dokument]
Lit.: 31 zázn.
In: Plants-Basel [elektronický dokument]. - Roč. 11, č. 8 (2022), s. [1-2], art. no. 1018 [online]. - ISSN (online) 2223-7747
Registrované v: scopus
Registrované v: wos
Indikátor časopisu:
SJR (SCOPUS) 2020=0,892
SNIP (SCOPUS) 2020=1,467
CiteScore (SCOPUS) 2020=2,2
IF (JCR) 2020=3.935
Kvartil Q:
wos-jcr -- Q1 [Plant sciences] -- 2020
scimago-sjr -- Q1 [Ecology] -- 2020
scimago-sjr -- Q1 [Ecology, evolution, behavior and systematics] -- 2020
scimago-sjr -- Q1 [Plant science] – 2020

Štatistika kategórií (Záznamov spolu: 93):
ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách (3)
ADC Vedecké práce v zahraničných karentovaných časopisoch (31)
ADD Vedecké práce v domácich karentovaných časopisoch (8)
ADE Vedecké práce v ostatných zahraničných časopisoch (4)
ADF Vedecké práce v ostatných domácich časopisoch (1)
ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (9)
AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (4)
AFC Publikované príspevky na zahraničných vedeckých konferenciách (11)
AFD Publikované príspevky na domácich vedeckých konferenciách (5)
BDF Odborné práce v ostatných domácich časopisoch (2)
BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných) (3)
GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií (2)
V2 Vedecký výstup publikačnej činnosti ako časť editovanej knihy alebo zborníka (3)
V3 Vedecký výstup publikačnej činnosti z časopisu (3)
O2 Odborný výstup publikačnej činnosti ako časť knižnej publikácie alebo zborníka (1)
O3 Odborný výstup publikačnej činnosti z časopisu (1)
P1 Pedagogický výstup publikačnej činnosti ako celok (1)
I3 Iný výstup publikačnej činnosti z časopisu (1)

Štatistika ohlasov (742):
[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (731)
[o2] Citácie v domácich publikáciách registrované v citačných indexoch (6)
[o3] Citácie v zahraničných publikáciách neregistrované v citačných indexoch (1)
[n1] Citácia v publikácii registrovaná v citačných indexoch (4)

Výpis k 26.5.2022
Mgr. Ingrida Ivančová