

Wysoko punktowane publikacje IBBiOŚ

200 pkt.

1. CDKG1 Is Required for Meiotic and Somatic Recombination Intermediate Processing in Arabidopsis. Candida Nibau, Andrew Lloyd, Despoina Dadarou, Alexander Betekhtin, Foteini Tsilimigka, Dylan W. Phillips, John H. Doonan.// *Plant Cell*. - 2020, no. 4, s. 1308-1322
2. Ant-induced evolutionary patterns in aphids / Łukasz Depa, Natalia Kaszyca-Taszakowska, Artur Taszakowski, Mariusz Kanturski.// *Biol. Rev.* - 2020, no. 6, s. 1574-1589
3. Cell wall epitopes in grasses on different novel ecosystem habitats of post-industrial sites / Anna Milewska-Hendel, Damian Chmura, Karolina Wyrwał, Ewa U. Kurczyńska, Agnieszka Kompała-Bąba, Andrzej M. Jagodziński, Gabriela Woźniak.// *Land Degrad. Dev. (Print)*. - Vol. 31, iss. 0 (2020), s. 1-44
4. Contrasting microclimates among hedgerows and woodlands across temperate Europe / Thomas Vanneste, Sanne Govaert, Fabien Spicher, Jörg Brunet, Sara A. O. Cousins, Guillaume Decocq, Martin Diekmann, Bente J. Graae, Per-Ola Hedwall, Rozália E. Kapás, Jonathan Lenoir, Jaan Liira, Sigrid Lindmo, Kathrin Litza, Tobias Naaf, Anna Orczewska, Jan Plue, Monika Wulf, Kris Verheyen, Pieter De Frenne.// *Agric. For. Meteorol. (Print)*. - Vol. 281 (2020), s. 1-9
5. Degrade or Silence? - RNA Turnover Takes Control of Epicuticular Wax Synthesis : [spotlight] / Agata Daszkowska-Golec.// *Trends Plant Sci.* - 2020, no. 10, s. 950-952
6. DNA damage in *Spodoptera exigua* after multigenerational cadmium exposure - a trade-off between genome stability and adaptation / Maria Augustyniak, Monika Tarnawska, Marta Dziewięcka, Alina Kafel, Magdalena Rost-Roszkowska, Agnieszka Babczyńska.// *Sci. Total. Environ.* - Vol. 745 (2020), art. no. 141048, s. 1-10
7. Gradual polyploid genome evolution revealed by pan-genomic analysis of *Brachypodium hybridum* and its diploid progenitors/ Sean P. Gordon, Bruno Contreras-Moreira, Joshua J. Levy, Armin Djamei, Angelika Czedik-Eysenberg, Virginia S. Tartaglio, Adam Session, Joel Martin, Amy Cartwright, Andrew Katz, Vasanth R. Singan, Eugene Goltsman, Kerrie Barry, Vinh Ha Dinh-Thi, Boulos Chalhoub, Antonio Diaz-Perez, Ruben Sancho, Joanna Lusinska, Elzbieta Wolny, Candida Nibau, John H. Doonan, Luis A. J. Mur, Chris Plott, Jerry Jenkins, Samuel P. Hazen, Scott J. Lee, Shengqiang Shu, David Goodstein, Daniel Rokhsar, Jeremy Schmutz, Robert Hasterok, Pilar Catalan & John P. Vogel.// *Nat. Comm.* (2020) 11, 3670
8. Graphene oxide as a new anthropogenic stress factor - multigenerational study at the molecular, cellular, individual and population level of *Acheta domesticus* / Marta Dziewięcka, Barbara Flasz, Magdalena Rost-Roszkowska, Andrzej Kędziorski, Anna Kochanowicz, Maria Augustyniak.// *J. Hazard. Mater. (Print)*. - Vol. 396 (2020), art. no. 122775, s. 1-15

9. Investigation of the bacterial cell envelope nanomechanical properties after long-term exposure to nitrofurans / Amanda Pacholak, Natalia Burlaga, Urszula Guzik, Ewa Kaczorek.// J. Hazard. Mater. (Print). - Vol. 0 (2020), art. no. 124352, s. 1-15
10. Microbial communities from subglacial water of naled ice bodies in the forefield of Werenskioldbreen, Svalbard / Sławomir Sułowicz, Kinga Bondarczuk, Dariusz Ignatiuk, Jacek A. Jania, Zofia Piotrowska-Seget.// Sci. Total. Environ. - Vol. 723 (2020), art. no. 138025, s. 1-11
11. Prime editing: a new way for genome editing : [spotlight] / Marek Marzec, Agnieszka Brąszewska-Zalewska, Goetz Hensel.// Trends Cell Biol. - 2020, iss. 4, s. 257-259
12. Prime Editing: Game Changer for Modifying Plant Genomes : [spotlight] / Marek Marzec, Goetz Hensel.// Trends Plant Sci. - 2020, no. 8, s. 1-3
13. Receptor kinase module targets PIN-dependent auxin transport during canalization / Jakub Hajný, Tomáš Prát, Nikola Rydza, Lesia Rodriguez, Shutang Tan, Inge Verstraeten, David Domjan, Ewa Mazur, Elwira Smakowska-Luzan, Wouter Smet, Eliana Mor, Jonah Nolf, BaoJun Yang, Wim Grunewald, Gergely Molnár, Youssef Belkhadir, Bert De Rybel, Jiří Friml.// Science (Wash. D.C.). - Vol. 370, iss. 6516 (2020), s. 550-557
14. Strigolactones inhibit auxin feedback on PIN-dependent auxin transport canalization / Jing Zhang, Ewa Mazur, Jozef Balla, Michelle Gallei, Petr Kalousek, Zuzana Medvedová, Yang Li, Yaping Wang, Tomáš Prát, Mina Vasileva, Vilém Reinöhl, Stanislav Procházka, Rostislav Halouzka, Petr Tarkowski, Christian Luschnig, Philip B. Brewer, Jiří Friml.// Nat. Commun. - 2020, iss. 11, art. no. 3508, s. 1-10
15. Structural variation of forest edges across Europe / Camille Meeussen, Sanne Govaert, Thomas Vanneste, Kim Calders, Kurt Bollmann, Jörg Brunet, Sara AO Cousins, Martin Diekmann, Bente J Graae, Per-Ola Hedwall, Sruthi M Krishna Moorthy, Giovanni Iacopetti, Jonathan Lenoir, Sigrid Lindmo, Anna Orczewska, Quentin Ponette, Jan Plue, Federico Selvi, Fabien Spicher, Matteo Tolosano, Hans Verbeeck, Kris Verheyen, Pieter Vangansbeke, Pieter De Frenne.// For. Ecol. Manag. - Vol. 462 (2020), art. no. 117
16. Structure of the reproductive system of the sexual generation of the endemic Arctic species *Acyrtosiphon svalbardicum* and its temperate counterpart *Acyrtosiphon pisum* (Hemiptera, Aphididae) / Karina Wiczorek, Dominik Chłond, Łukasz Junkiert, Piotr Świątek.// Biol. Reprod. - 2020, iss. 0, s. 1-11
17. Taking a lesson from the COVID-19 pandemic: preventing the future outbreaks of viral zoonoses through a multi-faceted approach / Dariusz Halabowski, Piotr Rzymyski.// Sci. Total. Environ. - Vol. 0 (2020), art. no. 143723, s. 1-42
18. The role of dilution mediums in studies of fumigant insecticidal activity of essential oils / Michał Krzyżowski, Bartosz Baran, Bartosz Łozowski, Jacek Francikowski.// J. Pest Sci. - 2020, iss. 0, s. 1-6

19. The roles of spatial and environmental variables in the appearance of a globally invasive *Physa acuta* in water bodies created due to human activity / Anna Cieplik, Aneta Spyra.// Sci. Total. Environ. - Vol. 744 (2020), art. no. 140928, s. 1-9
20. Vitellogenin expression, DNA damage, health status of cells and catalase activity in *Acheta domesticus* selected according to their longevity after graphene oxide treatment / Barbara Flasz, Marta Dziewięcka, Andrzej Kędziorski, Monika Tarnawska, Maria Augustyniak.// Sci. Total. Environ. - Vol. 737 (2020), art. no. 140274, s. 1-13

140 pkt.

1. A review of the aphid genus *Macrosiphoniella* del Guercio, 1911 (Hemiptera: Aphididae) in the USA with description of a new species / A.S. Jensen, S. Barjadze, Mariusz Kanturski.// Europ. Zool. J. - 2020, iss. 1, s. 412-443
2. A whole-cell immobilization system on bacterial cellulose for the paracetamol-degrading *Pseudomonas moorei* KB4 strain / Joanna Żur, Artur Piński, Justyna Michalska, Katarzyna Hupert-Kocurek, Agnieszka Nowak, Danuta Wojcieszynska, Urszula Guzik.// Int. Biodeterior. Biodegrad. - 2020, vol. 149, art. no. 104919, s. 1-9
3. AGL15 controls the embryogenic reprogramming of somatic cells in arabidopsis through the histone acetylation-mediated repression of the miRNA biogenesis genes / Katarzyna Nowak, Joanna Morończyk, Anna Wójcik, Małgorzata D. Gaj.// Int. J. Mol. Sci. - 2020, iss. 18, art. no. 6733, s. 1-20
4. Al-Tolerant Barley Mutant hvatr.g Shows the ATR-Regulated DNA Damage Response to Maleic Acid Hydrazide / Joanna Jaśkowiak, Jolanta Kwaśniewska, Miriam Szurman-Zubrzycka, Magdalena Rojek-Jelonek, Paul B. Larsen, Iwona Szarejko.// Int. J. Mol. Sci. - 2020, iss. 22, art. no. 8500, s. 1-12
5. Auxin Canalization and Vascular Tissue Formation by TIR1/AFB-Mediated Auxin Signaling in Arabidopsis / Ewa Mazur, Ivan Kulik, Jakub Hajný, Jiří Friml.// New Phytol. (Print). - 2020, iss. 5, s. 1375-1383
6. Barley strigolactone signalling mutant hvd14.d reveals the role of strigolactones in abscisic acid-dependent response to drought / Marek Marzec, Agata Daszkowska-Golec, Anna Collin, Michael Melzer, Kai Eggert, Iwona Szarejko.// Plant Cell Environ. - 2020, nr 0, art. no. 13815, s. 1-15
7. Biological Flora of the British Isles: *Poa nemoralis* / Jan Plue, Sara A. O. Cousins, Karen De Pauw, Martin Diekmann, Jenny Hagenblad, Kenny Helsen, Martin Hermy, Jaan Liira, Anna Orczewska, Thomas Vanneste, Monika Wulf, Pieter De Frenne.// J. Ecol. (Print). - 2020, iss. 4, s. 1750-1774
8. Can ceylon leadwort (*Plumbago zeylanica* L.) acclimate to lead toxicity? - studies of photosynthetic apparatus efficiency / Krzysztof M. Tokarz, Wojciech Makowski, Barbara Tokarz, Monika Hanula, Ewa Sitek, Ewa Muszyńska, Roman Jędrzejczyk, Rafał Banasiuk, Łukasz Chajec, Stanisław Mazur.// Int. J. Mol. Sci. - 2020, iss. 5, art. no. 1866, s. 1-22

9. Cell wall composition as a marker of the reprogramming of the cell fate on the example of a *Daucus carota* (L.) hypocotyl in which somatic embryogenesis was induced / Michał Kuczak, Ewa Kurczyńska.// *Int. J. Mol. Sci.* - 2020, iss. 21, art. no. 8126, s. 1-30
10. Comparative Genomics of *Stenotrophomonas maltophilia* and *Stenotrophomonas rhizophila* Revealed Characteristic Features of Both Species / Artur Piński, Joanna Żur, Robert Hasterok, Katarzyna Hupert-Kocurek.// *Int. J. Mol. Sci.* - 2020, iss. 14, art. no. 4922, s. 1-20
11. Conifer-feeding aphids (Insecta: Hemiptera: Aphididae) of India, Bhutan and Nepal with descriptions of three new species of the genus *Cinara* / S. Chakrabarti, P. K. Medda, Mariusz Kanturski.// *Europ. Zool. J.* - 2020, iss. 1, s. 659-687
12. Current perspectives on the auxin-mediated genetic network that controls the induction of somatic embryogenesis in plants / Anna M. Wójcik, Barbara Wójcikowska, Małgorzata D. Gaj.// *Int. J. Mol. Sci.* - 2020, iss. 4, art. no. 1333, s. 1-19
13. Development of the squamate naso-palatal complex: detailed 3D analysis of the vomeronasal organ and nasal cavity in the brown anole *Anolis sagrei* (Squamata: Iguania) / Paweł Kaczmarek, Katarzyna Janiszewska, Brian Metscher, Weronika Rupik.// *Front. Zool.* - Vol. 17 (2020), art. no. 28, s. 1-34
14. Diclofenac degradation - enzymes, genetic background and cellular alterations triggered in diclofenac-metabolizing strain *Pseudomonas moorei* KB4 / Joanna Żur, Artur Piński, Danuta Wojcieszewska, Wojciech Smutek, Urszula Guzik.// *Int. J. Mol. Sci.* - 2020, iss. 18, art. no. 6786, s. 1-22
15. Different strategies of Cd tolerance and accumulation in *Arabidopsis halleri* and *Arabidopsis arenosa* / Michał Szopiński, Krzysztof Sitko, Szymon Rusinowski, Paulina Zieleźnik-Rusinowska, Massimiliano Corso, Adam Rostański, Magdalena Rojek-Jelonek, Nathalie Verbruggen, Eugeniusz Małkowski.// *Plant Cell Environ.* - 2020, nr 0, art. no. 13883, s. 1-18
16. Effect of Auxin (IAA) on the Fast Vacuolar (FV) Channels in Red Beet (*Beta vulgaris* L.) Taproot Vacuoles / Zbigniew Burdach, Agnieszka Siemieniuk, Waldemar Karcz.// *Int. J. Mol. Sci.* - 2020, iss. 14, art. no. 4876, s. 1-11
17. Epigenetic Regulation of Auxin-Induced Somatic Embryogenesis in Plants / Barbara Wójcikowska, Anna M. Wójcik, Małgorzata D. Gaj.// *Int. J. Mol. Sci.* - 2020, iss. 7, art. no. 2307, s. 1-23
18. Exploring the Brassinosteroid Signaling in Monocots Reveals Novel Components of the Pathway and Implications for Plant Breeding / Damian Gruszka.// *Int. J. Mol. Sci.* - 2020, iss. 1, s. 1-23
19. Fossils reshape the Sternorrhyncha evolutionary tree (Insecta, Hemiptera) / Jowita Drohojowska, Jacek Szwed, Dagmara Żyła, Di-Ying Huang, Patrick Müller.// *Sci. Rep. (Nat. Publ. Group)*. - Vol. 10 (2020), art. no. 11390, s. 1-10
20. From Single Cell to Plants: Mesophyll Protoplasts as a Versatile System for Investigating Plant Cell Reprogramming / Taras Pasternak, Kateryna Lystvan, Alexander Betekhtin, Robert Hasterok.// *Int. J. Mol. Sci.* - 2020, iss. 12, art. no. 4195, s. 1-14

- 21.** Functioning of the Photosynthetic Apparatus in Response to Drought Stress in Oat x Maize Addition Lines / Katarzyna Juzoń, Dominika Idziak-Helmcke, Magdalena Rojek-Jelonek, Tomasz Warzecha, Marzena Warchoł, Ilona Czyczyło-Mysza, Kinga Dziurka, Edyta Skrzypek.// *Int. J. Mol. Sci.* - 2020, iss. 18, art. nr 6958, s. 1-25
- 22.** Genetic and Methylome Variation in Turkish Brachypodium Distachyon Accessions Differentiate Two Geographically Distinct Subpopulations / Aleksandra Skalska, Christoph Stritt, Michele Wyler, Hefin W. Williams, Martin Vickers, Jiwan Han, Metin Tuna, Gulsemin Savas Tuna, Karolina Susek, Martin Swain, Rafał K. Wóycicki, Saurabh Chaudhary, Fiona Corke, John H. Doonan, Anne C. Roulin, Robert Hasterok, Luis A. J. Mur.// *Int. J. Mol. Sci.* - 2020, iss. 18, art. no. 6700, s. 1-17
- 23.** Genome Mining and Evaluation of the Biocontrol Potential of *Pseudomonas fluorescens* BRZ63, a New Endophyte of Oilseed Rape (*Brassica napus* L.) against Fungal Pathogens / Daria Chlebek, Artur Piński, Joanna Żur, Justyna Michalska, Katarzyna Hupert-Kocurek.// *Int. J. Mol. Sci.* - 2020, iss. 22, art. no. 8740, s. 1-21
- 24.** Genome mining revealed a high biosynthetic potential for antifungal streptomycetes sp. S-2 isolated from black soot / Piotr Siupka, Artur Piński, Dagmara Babicka, Zofia Piotrowska-Seget.// *Int. J. Mol. Sci.* - 2020, iss. 7, art. no. 2558, s. 1-21
- 25.** Hormesis in Plants: The Role of Oxidative Stress, Auxins and Photosynthesis in Corn Treated with Cd or Pb / Eugeniusz Małkowski, Krzysztof Sitko, Michał Szopiński, Żaneta Gieroń, Marta Pogrzeba, Hazem M. Kalaji, Paulina Zieleźnik-Rusinowska.// *Int. J. Mol. Sci.* - 2020, iss. 6, art. no. 2099, s. 1-21
- 26.** HSP Transcript and Protein Accumulation in Brassinosteroid Barley Mutants Acclimated to Low and High Temperatures / Iwona Sadura, Marta Libik-Konieczny, Barbara Jurczyk, Damian Gruszka, Anna Janeczko.// *Int. J. Mol. Sci.* - 2020, iss. 0, art. no. 1889, s. 1-18
- 27.** HSP Transcript and Protein Accumulation in Brassinosteroid Barley Mutants Acclimated to Low and High Temperatures / Iwona Sadura, Marta Libik-Konieczny, Barbara Jurczyk, Damian Gruszka, Anna Janeczko.// *Int. J. Mol. Sci.* - 2020, iss. 0, art. no. 1889, s. 1-18
- 28.** In Vitro Tissue Culture in Brachypodium: Applications and Challenges / Alexander Betekhtin, Karolina Hus, Magdalena Rojek-Jelonek, Ewa Kurczyńska, Candida Nibau, John H. Doonan, Robert Hasterok.// *Int. J. Mol. Sci.* - 2020, iss. 3, s. 1-16
- 29.** Influence of soil contaminated with cadmium on cell death in the digestive epithelium of soil centipede *Lithobius forficatus* (Myriapoda, Chilopoda) / Magdalena Rost-Roszkowska, Izabela Poprawa, Łukasz Chajec, Alina Chachulska-Żymełka, Grażyna Wilczek, P. Wilczek, S. Student, Magdalena Skowronek, Aleksandra Nadgórska-Socha, M. Leśniewska.// *Europ. Zool. J.* - 2020, iss. 1, s. 242-262
- 30.** Insights into metabolic reactions of semi-dwarf, barley brassinosteroid mutants to drought / Damian Gruszka, Ewa Pocięcha, Barbara Jurczyk, Michał Dziurka, Jakub Oliwa, Iwona Sadura, Anna Janeczko.// *Int. J. Mol. Sci.* - 2020, iss. 14, art. no. 5096, s. 1-30

31. Integrative description of bisexual *Paramacrobotus experimentalis* sp. nov. (Macrobiotidae) from republic of Madagascar (Africa) with microbiome analysis / Łukasz Kaczmarek, Milena Roszkowska, Izabela Poprawa, Kamil Janelt, Hanna Kmita, Magdalena Gawlak, Edyta Fiałkowska, Monika Mioduchowska.// *Mol. Phylogenet. Evol.* (Print). - 2020, vol. 145, art. no. 106730, s. 1-20
32. Life in the current: anatomy and morphology of *Utricularia neottioides* / Bartosz J. Płachno, Lubomír Adamec, Piotr Świątek, Małgorzata Kapusta, Vitor F. O. Miranda.// *Int. J. Mol. Sci.* - 2020, iss. 12, art. no. 4474, s. 1-19
33. Methyl jasmonate affects photosynthesis efficiency, expression of HvTIP genes and nitrogen homeostasis in Barley / Marzena Małgorzata Kurowska, Agata Daszkowska-Golec, Monika Gajecka, Paulina Kościelniak, Wojciech Bierza, Iwona Szarejko.// *Int. J. Mol. Sci.* - 2020, iss. 12, art. no. 4335, s. 1-22
34. Micromorphology of the model species pea aphid *Acyrtosiphon pisum* (Hemiptera, Aphididae) with special emphasis on the sensilla structure / Mariusz Kanturski, Piotr Świątek, Joanna Trela, B. Borowiak-Sobkowiak, Karina Wieczorek.// *Europ. Zool. J.* - 2020, iss. 1, s. 336-356
35. New fossil from mid-Cretaceous Burmese amber confirms monophyly of Liadopsyllidae (Hemiptera: Psylloidea) / Jowita Drohojowska, Jacek Szwedo, Patrick Müller, Daniel Burckhardt.// *Sci. Rep. (Nat. Publ. Group)*. - Vol. 10 (2020), art. no. 17607, s. 1-9
36. New insights into the function of mammalian *Argonaute2* / Marek Marzec.// *PLOS Genet.* (Online). - 2020, iss. 11, art. no. e1009058, s. 1-4
37. Plant cell and organism development / Robert Hasterok, Alexander Betekhtin.// *Int. J. Mol. Sci.* - 2020, iss. 16, art. no. 5636, s. 1-10
38. Plant diversity in hedgerows and road verges across Europe / Thomas Vanneste, Sanne Govaert, Willem De Kesel, Sanne Van Den Berge, Pieter Vangansbeke, Camille Meeussen, Jörg Brunet, Sara A. O. Cousins, Guillaume Decocq, Martin Diekmann, Bente J. Graae, Per-Ola Hedwall, Thilo Heinken, Kenny Helsen, Rozália E. Kapás, Jonathan Lenoir, Jaan Liira, Sigrid Lindmo, Kathrin Litza, Tobias Naaf, Anna Orczewska, Jan Plue, Monika Wulf, Kris Verheyen, Pieter De Frenne.// *J. Appl. Ecol.* - 2020, no. 7, s. 124
39. Progressive refinement of the karyotyping of *Brachypodium* genomes / Robert Hasterok, Kai Wang, Glyn Jenkins.// *New Phytol.* (Print). - 2020, iss. 6, s. 1668-1675
40. Research tools for the functional genomics of plant miRNAs during zygotic and somatic embryogenesis / Anna Maria Wójcik.// *Int. J. Mol. Sci.* - 2020, iss. 14, art. no. 4969, s. 1-24
41. Squamate egg tooth development revisited using three-dimensional reconstructions of brown anole (*Anolis sagrei*, Squamata, Dactyloidae) dentition / Mateusz Hermyt, Katarzyna Janiszewska, Weronika Rupik.// *J. Anatom.* - Vol. 236, iss. 6 (2020), s. 1004-1020

42. Structural features of carnivorous plant (*Genlisea*, *Utricularia*) tubers as abiotic stress resistance organs / Bartosz J. Płachno, Saura R. Silva, Piotr Świątek, Kingsley W. Dixon, Krzysztof Lustofin, Guilherme C. Seber, Vitor F. O. Miranda.// *Int. J. Mol. Sci.* - 2020, iss. 14, art. no. 5143, s. 1-20
43. Structure of the germarium and female germ-cell clusters in *Thulinus ruffoi* (Bertolani, 1982) (Tardigrada: Eutardigrada: Parachela) / Kamil Janelt, Marta Jezierska, Sebastian Student, Izabela Poprawa.// *Zool. J. Linn. Soc.* - 2020, iss. 3, s. 776-787
44. Sympatric Isolation Contributes to Somatic Embryo Induction and Development in the Tree Fern *Cyathea delgadii* Sternb / Małgorzata Grzyb, Justyna Wróbel-Marek, Ewa Kurczyńska, Mirosław Sobczak, Anna Mikuła.// *Plant Cell Physiol.* - Vol. 61, iss. 7 (2020), s. 1273-1284
45. Sympatric isolation marks cell fate changes during somatic embryogenesis / Kamila Godel-Jędrychowska, Katarzyna Kulińska-Łukaszek, Anneke Horstman, Mercedes Soriano, Mengfan Li, Karol Małota, Kim Boutilier, Ewa U. Kurczyńska.// *J. Exp. Bot.* - 2020, no. 9, s. 2612-2628
46. Teratological cases of the antennae in the family Aradidae (Hemiptera: Heteroptera) / Artur Tazakowski, Natalia Kaszyca-Tazakowska.// *Sci. Rep. (Nat. Publ. Group).* - Vol. 10 (2020), art. no. 1027, s. 1-11
47. The communities of ectomycorrhizal fungal species associated with *Betula pendula* Roth and *Pinus sylvestris* L. growing in heavy-metal contaminated soils / Wojciech Bierza, Karolina Bierza, Artur Trzebny, Izabela Greń, Mirosława Dabert, Ryszard Ciepał, Lidia K. Trocha.// *Plant Soil (Print).* - Vol. 0, no. 0 (2020), s. 1-18
48. The fate of 35S rRNA genes in the allotetraploid grass *Brachypodium hybridum* / Natalia Borowska-Żuchowska, Ales Kovarik, Ewa Robaszkiewicz, Metin Tuna, Gulsemin Savas Tuna, Sean Gordon, John P. Vogel, Robert Hasterok.// *Plant J.* - Vol. 103, iss. 5 (2020), s. 1810-1825
49. The Impact of Mutations in the HvCPD and HvBRI1 Genes on the Physicochemical Properties of the Membranes from Barley Acclimated to Low/High Temperatures / Elżbieta Rudolphi-Szydło, Iwona Sadura, Maria Filek, Damian Gruszka, Anna Janeczko.// *Cells.* - 2020, iss. 9, art. no. 1125, s. 1-13
50. Transformation and ecotoxicological effects of iodinated X-ray contrast media / Agnieszka Nowak, Gabriela Pacek, Agnieszka Mroziak.// *Rev. Environ. Sci. Biotechnol.* - 2020, iss. 2, s. 337-354
51. Ultrastructure of the midgut epithelium in three species of Macrobiotidae (Tardigrada: Eutardigrada: Parachela) / Magdalena Rost-Roszkowska, Kamil Janelt, Izabela Poprawa.// *Zool. J. Linn. Soc.* - Vol. 188, iss. 3 (2020), s. 788-796