

НАУЧНЫЕ ПУБЛИКАЦИИ СОТРУДНИКОВ ВИР В ЖУРНАЛАХ, ИНДЕКСИРУЕМЫХ В БАЗАХ ДАННЫХ  
«СЕТЬ НАУКИ» (WEB OF SCIENCE) И SCOPUS. 2022 г. (на 30.03.2022)

Egorova A.A., Chalaya N.A., Fomin I.N., Barchuk A.I., Gerasimova S.V. De Novo Domestication Concept for Potato Germplasm Enhancement. *Agronomy*. 2022;12(2):462. DOI: 10.3390/agronomy12020462

Fedorina J., Tikhonova N., Ukhatova Y., Ivanov R., Khlestkina E. Grapevine Gene Systems for Resistance to Gray Mold *Botrytis cinerea* and Powdery Mildew *Erysiphe necator*. *Agronomy*. 2022;12(2):499. DOI: 10.3390/agronomy12020499

Glagoleva A., Kukoeva T., Mursalimov S., Khlestkina E., Shoeva O. Effects of Combining the Genes Controlling Anthocyanin and Melanin Synthesis in the Barley Grain on Pigment Accumulation and Plant Development. *Agronomy*. 2022;12(1):112. DOI: 10.3390/agronomy12010112

Sinjushin A., Semenova E., Vishnyakova M. Usage of Morphological Mutations for Improvement of a Garden Pea (*Pisum sativum*): The Experience of Breeding in Russia. *Agronomy*. 2022;12(3):544. DOI: agronomy12030544

Tyryshkin L.G., Zeleneva Y.V., Brykova A.N., Kudryavtseva E.Y., Loseva V.A., Akhmedov M.A., Shikhmuradov A.Z., Zuev E.V. Long-Term Multilocal Monitoring of Leaf Rust Resistance in the Spring Bread Wheat Genetic Resources from Institute of Plant Genetic Resources (VIR). *Agronomy*. 2022;12(2):242. DOI: 10.3390/agronomy12020242

Panova G.G., Semenov K.N., Shilova O.A., Bityutskii N.P., Artem'eva A.M., Khamova T.V. Korniyukhin D.L., Yakkonen K.L., Kanash E.V., Udalova O.R., Khomyakov Y.V., Anikina L.M., Zhuravleva A.S., Vertebniy V.E., Charykov N.A., Bankina T.A., Sharoyko V.V. New biologically active agents based on carbon and silicon nanostructures: The basis of creation and application in crop production. *AIP Conference Proceedings*. 2022;2390(1):030070. DOI: 10.1063/5.0069545

Okhlopko Z.M., Razgonova M.P., Pikula K.S., Zakharenko A.M., Piekoszewski W., Manakov Y.A., Ercisli S., Golokhvast K.S. *Dracocephalum palmatum* S. and *Dracocephalum ruyshiana* L. Originating from Yakutia: A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds. *Applied Sciences*. 2022; 12(3):1766. DOI: 10.3390/app12031766

Gnutikov A.A., Nosov N.N., Loskutov I.G., Machs E.M., Blinova E.V., Probatova N.S., Langdon T., Rodionov A.V. New insights into the genomic structure of the oats (*Avena L.*, Poaceae): intragenomic polymorphism of ITS1 sequences of rare endemic species *Avena bruhnsiana* Gruner and its relationship to other species with C-genomes. *Euphytica*. 2022;218(3). DOI: 10.1007/s10681-021-02956-z

Samarina L.S., Malyarovskaya V.I., Rakhmangulov R.S., Koninskaya N.G., Matskiv A.O., Shkhalakhova R.M., Orlov Y.L., Tsaturyan G.A., Shurkina E.S., Gvasaliya M.V., Kuleshov A.S., Ryndin A.V. Population Analysis of *Diospyros lotus* in the Northwestern Caucasus Based on Leaf Morphology and Multilocus DNA Markers. *International Journal of Molecular Sciences*. 2022;23(4):2192. DOI: 10.3390/ijms23042192

Besedin A.G., Putina O.V. Influence of climatic indicators on the dynamics of the growing season duration and forecasting vegetable peas' harvest date. *IOP Conference Series: Earth and Environmental Science*. 2022;949(118):012018. DOI: 10.1088/1755-1315/949/1/012018

Vishnyakova M., Sinjushin A., Čupina B., Rubiales D., Ellis N., Patto C.V., Medović A., Zorić L., Smýkal P. Aleksandar Mikić, the legume (re)searcher. *Legume Science*. 2022. DOI: 10.1002/leg3.134

Vecherskii Maxim V., Khayrullin David R., Shadrin Andrey M., Lisov Alexander V., Zavarzina Anna G., Zavarzin Alexey A., Leontievsky Alexey A. Metagenomes of Lichens *Solorina crocea* and *Peltigera canina*. *Microbiology Resource Announcements*. 2022;11(1):e01000-21. DOI: 10.1128/MRA.01000-21

Azeem F., Ijaz U., Ali M.A., Hussain S., Zubair M., Manzoor H., Abid M., Zameer R., Kim D.S., Golokhvast K.S., Chung G., Sun S., Nawaz M.A. Genome-Wide Identification and Expression Profiling of Potassium Transport-Related Genes in *Vigna radiata* under Abiotic Stresses. *Plants*. 2022;11(1):2. DOI: 10.3390/plants11010002

Porokhovinova E.A., Shelenga T.V., Kerv Y.A., Khoreva V.I., Konarev A.V., Yakusheva T.V., Pavlov A.V., Slobodkina A.A., Brutch N.B. Features of Profiles of Biologically Active Compounds of Primary and Secondary Metabolism of Lines from VIR Flax Genetic Collection, Contrasting in Size and Color of Seeds.

*Plants*. 2022;11(6):750; 10.3390/plants11060750

Razgonova M., Zinchenko Y., Pikula K., Tekutyeva L., Son O., Zakharenko A., Kalenik T., Golokhvast K. Spatial Distribution of Polyphenolic Compounds in Corn Grains (*Zea mays* L. var. *Pioneer*) Studied by Laser Confocal Microscopy and High-Resolution Mass Spectrometry. *Plants*. 2022; 11(5):630. DOI: 10.3390/plants11050630

Temirbekova Sulukhan K., Kulikov Ivan M., Ashirbekov Mukhtar Z., Afanasyeva Yuliya V., Beloshapkina Olga O., Tyryshkin Lev G., Zuev Evgeniy V., Kirakosyan Rima N., Glinushkin Alexey P., Potapova Elena S., Rebouh Nazih Y. Evaluation of Wheat Resistance to Snow Mold Caused by *Microdochium nivale* (Fr) Samuels and I.C. Hallett under Abiotic Stress Influence in the Central Non-Black Earth Region of Russia. *Plants*. 2022;11(5):699. DOI: 10.3390/plants11050699

Mursalimov S., Glagoleva A., Khlestkina E., Shoeva O. Chlorophyll deficiency delays but does not prevent melanogenesis in barley seed melanoplasts. *Protoplasma*. 2022;259:317-326. DOI: 10.1007/s00709-021-01669-3

Brutch E., Zabegaeva O., Nozkova J., Brutch N. Cadmium tolerance and its absorption ability in fibre flax and linseed variet. *Turkish Journal of Agriculture and Forestry*. 2022;46(1):83-89. DOI: 10.3906/tar-2011-118

Sokolova D.V. Dynamic changes in betanin content during the growing season of table beet: their interplay with abiotic factors. *Vavilovskii Zhurnal Genetiki i Seleksii = Vavilov Journal of Genetics and Breeding*. 2022;26(1):30-39. DOI: 10.18699/VJGB-22-05

