

## Documents

Export Date: 19 Jun 2017

Search: AF-ID("Siberian Institute of Plant Physiology and Biochemist...")

- 1) Fedoseeva, I.V., Pyatrikas, D.V., Stepanov, A.V., Fedyeva, A.V., Varakina, N.N., Rusaleva, T.M., Borovskii, G.B., Rikhvanov, E.G.

**The role of flavin-containing enzymes in mitochondrial membrane hyperpolarization and ROS production in respiring *Saccharomyces cerevisiae* cells under heat-shock conditions**

(2017) *Scientific Reports*, 7 (1), art. no. 2586, .

DOI: 10.1038/s41598-017-02736-7

Document Type: Article

Source: Scopus

- 2) Pomortsev, A.V., Dorofeev, N.V., Katysheva, N.B., Peshkova, A.A.

**Changes in dehydrin composition in winter cereal crowns during winter survival**

(2017) *Biologia Plantarum*, 61 (2), pp. 394-398.

DOI: 10.1007/s10535-016-0673-8

Document Type: Article

Source: Scopus

- 3) Omelichkina, Y.V., Boyarkina, S.V., Shafikova, T.N.

**Effector-activated immune responses in potato and tobacco cell cultures caused by phytopathogen *Clavibacter michiganensis* ssp. *sepedonicus***

(2017) *Russian Journal of Plant Physiology*, 64 (3), pp. 423-430.

DOI: 10.1134/S1021443717020091

Document Type: Article

Source: Scopus

- 4) Tsivileva, O., Perfileva, A.

**Selenium compounds biotransformed by mushrooms: Not only dietary sources, but also toxicity mediators**

(2017) *Current Nutrition and Food Science*, 13 (2), pp. 82-96.

DOI: 10.2174/157340131366170117144547

Document Type: Review

Source: Scopus

- 5) Dudareva, L.V., Rudikovskaya, E.G., Shmakov, V.N., Rudikovskii, A.V., Salyaev, R.K.  
**Influence of low-intensity laser radiation on the dynamics of some phytohormone content in the callus tissues of wheat Triticum aestivum L.**  
(2017) *Laser Physics*, 27 (5), art. no. 055603, .  
DOI: 10.1088/1555-6611/aa658e
- Document Type: Article  
Source: Scopus
- 6) Kalugina, O.V., Mikhailova, T.A., Shergina, O.V.  
**Pinus sylvestris as a bio-indicator of territory pollution from aluminum smelter emissions**  
(2017) *Environmental Science and Pollution Research*, 24 (11), pp. 10279-10291.  
DOI: 10.1007/s11356-017-8674-5
- Document Type: Article  
Source: Scopus
- 7) Rudikovskaya, E.G., Akimova, G.P., Rudikovskii, A.V., Katysheva, N.B., Dudareva, L.V.  
**Content of salicylic and jasmonic acids in pea roots (*Pisum sativum L.*) at the initial stage of symbiotic or pathogenic interaction with bacteria of the family Rhizobiaceae**  
(2017) *Applied Biochemistry and Microbiology*, 53 (2), pp. 237-241.  
DOI: 10.1134/S0003683817020156
- Document Type: Article  
Source: Scopus
- 8) Glyan'ko, A.K., Ischenko, A.A.  
**Immunity of a leguminous plant infected by nodular bacteria *Rhizobium* spp. F.: Review**  
(2017) *Applied Biochemistry and Microbiology*, 53 (2), pp. 140-148.  
DOI: 10.1134/S0003683817020107
- Document Type: Article  
Source: Scopus
- 9) Perfileva, A.I., Tsivileva, O.M., Ibragimova, D.N., Koftin, O.V., Fedotova, O.V.  
**Effect of selenium-containing biocomposites based on *Ganoderma* mushroom isolates grown in the presence of oxopropyl-4-hydroxycoumarins, on bacterial phytopathogens**  
(2017) *Microbiology (Russian Federation)*, 86 (2), pp. 183-191.  
DOI: 10.1134/S0026261717020163

Document Type: Article

Source: Scopus

- 10) Sudakov, N.P., Apartsin, K.A., Lepekhova, S.A., Nikiforov, S.B., Katyshev, A.I., Lifshits, G.I., Vybtvantseva, A.V., Konstantinov, Y.M.

**The level of free circulating mitochondrial DNA in blood as predictor of death in case of acute coronary syndrome**

(2017) European Journal of Medical Research, 22 (1), pp. 1-6.

DOI: 10.1186/s40001-016-0241-x

Document Type: Article

Source: Scopus

- 11) Chepinoga, V.V., Protopopova, M.V., Pavlichenko, V.V.

**Detection of the most probable Pleistocene microrefugia on the northern macroslope of the Khamar-Daban Ridge (Southern Prebaikalia)**

(2017) Contemporary Problems of Ecology, 10 (1), pp. 38-42.

DOI: 10.1134/S1995425517010036

Document Type: Article

Source: Scopus

- 12) Arzhannikov, S.G., Ivanov, A.V., Arzhannikova, A.V., Demonterova, E.I., Jolivet, M., Voronin, V.I., Buyantuev, V.A., Oskolkov, V.A.

**Age of the Jombolok lava field (East Sayan): evidence from dendrochronology and radiocarbon dating**

(2017) Russian Geology and Geophysics, 58 (1), pp. 20-36.

DOI: 10.1016/j.rgg.2016.07.001

Document Type: Article

Source: Scopus

- 13) Shigarova, A.M., Grabelnych, O.I., Baryshok, V.P., Borovskii, G.B.

**Erratum to: Impossible mechanisms of germatranol influence on the thermal stability of wheat germs (Applied Biochemistry and Microbiology, (2016), 52, 4, (429-434), 10.1134/S0003683816040153)**

(2017) Applied Biochemistry and Microbiology, 53 (1), p. 130.

DOI: 10.1134/S000368381610001X

Document Type: Erratum

Source: Scopus

- 14) Permyakova, M.D., Permyakov, A.V., Osipova, S.V., Pshenichnikova, T.A., Shishparenok, A.A., Rudikovskaya, E.G., Rudikovsky, A.V., Verkhoturov, V.V., Börner, A.  
**Chromosome regions associated with the activity of lipoxygenase in the genome D of Triticum aestivum L. under water deficit**  
(2017) Russian Journal of Plant Physiology, 64 (1), pp. 28-40.  
DOI: 10.1134/S1021443717010113
- Document Type: Article  
Source: Scopus
- 15) Sudakov, N.P., Klimenkov, I.V., Byvaltsev, V.A., Nikiforov, S.B., Konstantinov, Y.M.  
**Extracellular actin in health and disease**  
(2017) Biochemistry (Moscow), 82 (1), .  
DOI: 10.1134/S0006297917010011
- Document Type: Review  
Source: Scopus
- 16) Turskaya, A.L., Ul'danova, A.A., Stepanov, A.V., Bukin, Y.S., Verkhoturov, V.V., Gaida, B.K., Markova, Y.A.  
**Formation of Pectobacterium carotovorum biofilms depending on the carbon source**  
(2017) Microbiology (Russian Federation), 86 (1), pp. 49-55.  
DOI: 10.1134/S0026261717010143
- Document Type: Article  
Source: Scopus
- 17) Semenov, A.A., Enikeev, A.G., Snetkova, L.V., Permyakov, A.V., Sokolova, N.A., Dudareva, L.V.  
**Ortho-phthalic acid esters in lipophilic extract from the cell culture of Aconitum baicalense Turcz ex Rapaics 1907**  
(2016) Doklady Biochemistry and Biophysics, 471 (1), pp. 421-422.  
DOI: 10.1134/S1607672916060120
- Document Type: Article  
Source: Scopus
- 18) Tarasenko, V.I., Katyshev, A.I., Yakovleva, T.V., Garnik, E.Y., Chernikova, V.V., Konstantinov, Y.M., Koulinchenko, M.V.  
**RPOTmp, an Arabidopsis RNA polymerase with dual targeting, plays an important role in mitochondria, but not in chloroplasts**

(2016) Journal of Experimental Botany, 67 (19), pp. 5657-5669.

DOI: 10.1093/jxb/erw327

Document Type: Article

Source: Scopus

- 19) Konstantinov, Y.M., Dietrich, A., Weber-Lotfi, F., Ibrahim, N., Klimenko, E.S., Tarasenko, V.I., Bolotova, T.A., Koulinchenko, M.V.

**DNA import into mitochondria**

(2016) Biochemistry (Moscow), 81 (10), pp. 1044-1056. Cited 2 times.

DOI: 10.1134/S0006297916100035

Document Type: Review

Source: Scopus

- 20) Axenov-Gribanov, D.V., Voytsekhovskaya, I.V., Rebets, Y.V., Tokovenko, B.T., Penzina, T.A., Gornostay, T.G., Adelshin, R.V., Protasov, E.S., Luzhetskyy, A.N., Timofeyev, M.A.

**Actinobacteria possessing antimicrobial and antioxidant activities isolated from the pollen of scots pine (*Pinus sylvestris*) grown on the Baikal shore**

(2016) Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology, 109 (10), pp. 1307-1322.

DOI: 10.1007/s10482-016-0730-5

Document Type: Article

Source: Scopus

- 21) Antonov, I.A., Bukin, Y.S.

**Molecular phylogenetic analysis of the ant genus *Formica* L. (Hymenoptera: Formicidae) from Palearctic region**

(2016) Russian Journal of Genetics, 52 (8), pp. 810-820.

DOI: 10.1134/S1022795416080020

Document Type: Article

Source: Scopus

- 22) Pradedova, E.V., Nimaeva, O.D., Truchan, I.S., Salyaev, R.K.

**Glutathione transferase activity of vacuoles, plastids, and tissue extracts of red beetroot**

(2016) Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 10 (3), pp. 223-232.

DOI: 10.1134/S1990747816020082

Document Type: Article

Source: Scopus

- 23) Shigarova, A.M., Grabelnych, O.I., Baryshok, V.P., Borovskii, G.B.  
**Impossible mechanisms of germatranol influence on the thermal stability of wheat germs**  
(2016) Applied Biochemistry and Microbiology, 52 (4), pp. 429-434.

DOI: 10.1134/S0003683816040153

Document Type: Article

Source: Scopus

- 24) Pshenichnikova, T.A., Permyakov, A.V., Osipova, S.V., Permyakova, M.D., Rudikovskaya, E.G., Verchoturov, V.V.  
**Effects of limited introgressions from *Triticum timopheevii* Tausch. into the genome of bread wheat (*Triticum aestivum* L.) on physiological and biochemical traits under normal watering and drought**  
(2016) Russian Journal of Genetics: Applied Research, 6 (5), pp. 553-559.

DOI: 10.1134/S2079059716050099

Document Type: Article

Source: Scopus

- 25) Lomovatskaya, L.A., Makarova, L.E., Kuzakova, O.V., Romanenko, A.S., Goncharova, A.M.  
**Effect of N-phenyl-2-naphthylamine on activity of adenylate cyclase signal system components and virulence of bacterial phytopathogens and mutualists**  
(2016) Applied Biochemistry and Microbiology, 52 (3), pp. 287-292.

DOI: 10.1134/S0003683816030108

Document Type: Article

Source: Scopus

- 26) Grishin, A.A., Lutskii, V.I., Penzina, T.A., Dudareva, L.V., Zorina, N.V., Polyakova, M.S., Osipenko, S.N.  
**Composition of the Supercritical CO<sub>2</sub> Extract of the Fungus *Piptoporus betulinus***  
(2016) Chemistry of Natural Compounds, 52 (3), pp. 436-440. Cited 1 time.

DOI: 10.1007/s10600-016-1667-7

Document Type: Article

Source: Scopus

- 27) Salyaev, R.K., Rekoslavskaya, N.I., Stolbikov, A.S., Tret'yakova, A.V.  
**Using the omega leader sequence of tobacco mosaic virus to transform tomato fruits with the papillomavirus hpv16 L1 gene to enhance production of the antigenic protein HPV16 L11**  
(2016) Doklady Biochemistry and Biophysics, 468 (1), pp. 187-189.  
DOI: 10.1134/S1607672916030078
- Document Type: Article  
Source: Scopus
- 28) Osipova, S., Permyakov, A., Permyakova, M., Pshenichnikova, T., Verkhoturov, V., Rudikovsky, A., Rudikovskaya, E., Shishparenok, A., Doroshkov, A., Börner, A.  
**Regions of the bread wheat D genome associated with variation in key photosynthesis traits and shoot biomass under both well watered and water deficient conditions**  
(2016) Journal of Applied Genetics, 57 (2), pp. 151-163. Cited 2 times.  
DOI: 10.1007/s13353-015-0315-4
- Document Type: Article  
Source: Scopus
- 29) Efimov, P.G., Philippov, E.G., Krivenko, D.A.  
**Allopolyploid speciation in Siberian Dactylorhiza (Orchidaceae, Orchidoideae)**  
(2016) Phytotaxa, 258 (2), pp. 101-120.  
DOI: 10.11646/phytotaxa.258.2.1
- Document Type: Article  
Source: Scopus
- 30) Faria, M., Pavlichenko, V., Burkhardt-Medicke, K., Soares, A.M.V.M., Altenburger, R., Barata, C., Luckenbach, T.  
**Use of a combined effect model approach for discriminating between ABCB1- and ABCC1-type efflux activities in native bivalve gill tissue**  
(2016) Toxicology and Applied Pharmacology, 297, pp. 56-67. Cited 1 time.  
DOI: 10.1016/j.taap.2016.02.020
- Document Type: Article  
Source: Scopus
- 31) Garnik, E.Y., Belkov, V.I., Tarasenko, V.I., Korzun, M.A., Konstantinov, Y.M.  
**Glutathione reductase gene expression depends on chloroplast signals in Arabidopsis thaliana**  
(2016) Biochemistry (Moscow), 81 (4), pp. 364-372.

DOI: 10.1134/S0006297916040064

Document Type: Article

Source: Scopus

- 32) Makarenko, S.P., Shmakov, V.N., Dudareva, L.V., Stolbikova, A.V., Semenova, N.V., Tret'yakova, I.N., Konstantinov, Y.M.  
**Fatty acid composition of total lipids in embryogenic and nonembryogenic callus lines of larch**  
(2016) Russian Journal of Plant Physiology, 63 (2), pp. 252-258.

DOI: 10.1134/S1021443716020102

Document Type: Article

Source: Scopus

- 33) Makarova, L.E., Dudareva, L.V., Petrova, I.G., Vasil'eva, G.G.  
**Secretion of Phenolic Compounds into Root Exudates of Pea Seedlings upon Inoculation with Rhizobium leguminosarum bv. viceae or Pseudomonas siringae pv. pisi**  
(2016) Applied Biochemistry and Microbiology, 52 (2), pp. 205-209.

DOI: 10.1134/S0003683816020095

Document Type: Article

Source: Scopus

- 34) Permyakov, A., Osipova, S., Bondarenko, N., Obolkina, L., Timoshkin, O., Boedeker, C., Geist, B., Schäffner, A.R.  
**Proteins homologous to aquaporins of higher plants in the freshwater alga Ulothrix zonata (Ulotrichales, Chlorophyta)**  
(2016) European Journal of Phycology, 51 (1), pp. 99-106. Cited 1 time.

DOI: 10.1080/09670262.2015.1106588

Document Type: Article

Source: Scopus

- 35) Pradedova, E.V., Nimacva, O.D., Truchan, I.S., Salyaev, R.K.  
**Glutathione transferase activity of vacuoles, plastides, and tissue extracts of red beetroot**  
(2016) Biologicheskie Membrany, 33 (2), pp. 140-149.

DOI: 10.7868/S0233475516020092

Document Type: Article

Source: Scopus

- 36) Dudareva, L.V., Rudikovskaya, E.G., Lankevich, S.V.  
**Lipid and fatty acid composition of morphogenic and non-morphogenic calluses of wheat triticum aestivum L.**  
(2016) Biologicheskie Membrany, 33 (2), pp. 133-139.  
DOI: 10.7868/S0233475516020055
- Document Type: Article  
Source: Scopus
- 37) Ivanova, M.M., Kazanovsky, S.G., Kiseleva, A.A.  
**New findings in the flora of the south-eastern shore of the lake Baikal (region of Khamar-Daban mountain range): The nemoral relicts of tertiary flora and rare species**  
(2016) Turczaninowia, 19 (3), pp. 94-105.  
DOI: 10.14258/turczaninowia.19.3.6
- Document Type: Article  
Source: Scopus
- 38) Nesterkina, I.S., Ozolina, N.V., Baduev, B.K., Fedorova, G.A., Nurminsky, V.N., Spiridonova, E.V., Salyaev, R.K.  
**Rafts of the red beet vacuolar membrane contain V-H<sup>+</sup>-ATPase**  
(2016) Biologicheskie Membrany, 33 (6), pp. 450-453.  
DOI: 10.7868/S0233475516060098
- Document Type: Article  
Source: Scopus
- 39) Faria, M., Pavlichenko, V., Burkhardt-Medicke, K., Soares, A.M.V.M., Altenburger, R., Barata, C., Luckenbach, T.  
**Erratum: Corrigendum to “Use of a combined effect model approach for discriminating between ABCB1- and ABCC1-type efflux activities in native bivalve gill tissue” (Toxicology and Applied Pharmacology (2016) 297 (56–67))**  
(2016) Toxicology and Applied Pharmacology, 303, p. 110.  
DOI: 10.1016/j.taap.2016.04.015
- Document Type: Erratum  
Source: Scopus
- 40) Weber-Lotfi, F., Koulintchenko, M.V., Ibrahim, N., Hammann, P., Mileshina, D.V., Konstantinov, Y.M., Dietrich, A.

## Nucleic acid import into mitochondria: New insights into the translocation pathways

(2015) Biochimica et Biophysica Acta - Molecular Cell Research, 1853 (12), pp. 3165-3181. Cited 5 times.

DOI: 10.1016/j.bbamcr.2015.09.011

Document Type: Article

Source: Scopus

Search: AF-ID("Siberian Institute of Plant Physiology and Biochemistry of the Siberian Branch of the RAS"

60103878)