

**Список публикаций д.б.н., профессора  
Тимофеева Максима Анатольевича**

1. Bedulina D., Meyer M.F., Gurkov A., Kondratjeva E., Baduev B., Gusdorf R., Timofeyev M.A. Intersexual differences of heat shock response between two amphipods (*Eulimnogammarus verrucosus* and *Eulimnogammarus cyaneus*) in Lake Baikal // PeerJ. – 2017. – 5:e2864. – DOI 10.7717/peerj.2864.
2. Volkova E.K., Yanina I.Yu., Popov A.P., Bykov A.V., Gurkov A.N., Borvinskaya E.V., Timofeyev M.A., Meglinski I.V. Ecophotonics: assessment of temperature gradient in aquatic organisms using up-conversion luminescent particles // Quantum Electronics. – 2017. – V. 47, № 2. – P. 153–157.
3. Vereshchagina K.P., Lubyaga Y.A., Shatilina Z., Bedulina D., Gurkov A., Axenov-Gribanov D.V., Baduev B., Kondrateva E.S., Gubanov M., Zadereev E., Sokolova I., Timofeyev M. Salinity modulates thermotolerance, energy metabolism and stress response in amphipods *Gammarus lacustris* // PeerJ. – 2016. – 4:e2657. – DOI 10.7717/peerj.2657.
4. Gurkov A., Shchapova E., Bedulina D., Baduev B., Borvinskaya E., Meglinski I., Timofeyev M. Remote *in vivo* stress assessment of aquatic animals with microencapsulated biomarkers for environmental monitoring // Scientific Reports (Nature Publishing Group). – 2016. – 6:36427. – DOI: 10.1038/srep36427.
5. 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 // Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology. – 2016. – V. 109, № 10. – P. 1307–1322.
6. Axenov-Gribanov D., Bedulina D., Shatilina Z., Jakob L., Vereshchagina K., Lubyaga Y., Gurkov A., Shchapova E., Luckenbach T., Lucassen M., Sartoris F.J., Pörtner H.-O., Timofeyev M. Thermal preference ranges correlate with stable signals of universal stress markers in Lake Baikal endemic and holarctic amphipods // PLoS ONE. – 2016. – V. 11, № 10. – e0164226. – DOI:10.1371/journal.pone.0164226.
7. Axenov-Gribanov D., Vereshchagina K., Lubyaga Y., Gurkov A., Bedulina D., Shatilina Z., Khomich A., Golubev A., Timofeyev M. Stress response at the cellular and biochemical levels indicates the limitation of the environmental temperature range for Eastern Siberian populations of the common gastropod *Lymnaea stagnalis* // Malacologia. – 2015. – V. 59, № 1. – P. 33–44.
8. Axenov-Gribanov D.V., Bedulina D.S., Shatilina Z.M., Lubyaga Y.A., Vereshchagina K.P., Timofeyev M.A. A cellular and metabolic assessment of the

thermal stress responses in the endemic gastropod *Benedictia limnaeoides ongurensis* from Lake Baikal // Comparative Biochemistry and Physiology – B: Biochemistry and Molecular Biology. – 2014. – V. 167, № 1. – P. 16–22.

9. Bedulina D.S., Evgen'ev M.B., Timofeyev M.A., Protopopova M.V., Garbuz D.G., Pavlichenko V.V., Luckenbach T., Shatilina Z.M., Axenov-Gribanov D.V., Gurkov A.N., Sokolova I.M., Zatsepina O.G. Expression patterns and organization of the *hsp70* genes correlate with thermotolerance in two congener endemic amphipod species (*Eulimnogammarus cyaneus* and *E. verrucosus*) from Lake Baikal // Molecular Ecology. – 2013. – V. 22, № 5. – P. 1416–1430.