

## SCIENTIFIC PUBLICATIONS

2015

- Šulčius S., Holmfeldt K. (2016). Viruses of microorganisms in the Baltic Sea: Current state of research and perspectives. *Marine Biology Research*, (in press) <http://dx.doi.org/10.1080/17451000.2015.1118514>.
  - Olenina I., Vaičiukynas E., Šulčius S., Paškauskas R., Verikas A., Gelžinis A., Bačkauskienė M., Bertašiuūtė V., Olenin S. (2016). The dinoflagellate *Prorocentrum cordatum* at the edge of the salinity tolerance: the growth is slower but cells are larger. *Estuarine, Coastal and Shelf Science*, 168:71-9. <http://dx.doi.org/10.1016/j.ecss.2015.11.013>.
  - Šulčius S., Pilkaitytė R., Mazur-Marzec H., Kasperovičienė J., Ezhova E., Błaszczuk A., & Paškauskas R. (2015). Increased risk of exposure to microcystins in the scum of the filamentous cyanobacterium *Aphanizomenon flos-aquae* accumulated on the western shoreline of the Curonian Lagoon. *Marine Pollution Bulletin*, 99(1-2):264-70. <http://dx.doi.org/10.1016/j.marpolbul.2015.07.057>.
  - Gelžinis A., Verikas A., Vaičiukynas E., Bačkauskienė M., Šulčius S., Šimoliūnas E., Staniulis J., Paškauskas R. (2015). Automatic detection and morphological delineation of bacteriophages in electron microscopy images. *Computers in Biology and Medicine*, 64:101-16. <http://dx.doi.org/10.1016/j.compbiomed.2015.06.015>.
  - Stoecker D. K., Nejstgaard J. C., Madhusoodhanan R., Pohnert G., Wolfram S., Jakobsen H. H., Šulčius S., Larsen A. (2015). Underestimation of microzooplankton grazing in dilution experiments due to inhibition of phytoplankton growth. *Limnology and Oceanography*, 60(4):1426-38. <http://dx.doi.org/10.1002/lno.10106>.
  - Šulčius S., Šimoliūnas E., Staniulis J., Koreivienė J., Baltrušis P., Meškys R., Paškauskas R. (2015). Characterization of a lytic cyanophage that infects the bloom-forming cyanobacterium *Aphanizomenon flos-aquae*. *FEMS Microbiology Ecology*, 91(2):1-7. <http://dx.doi.org/10.1093/femsec/fiu012>.
  - Šulčius S., Alzbutas G., Kvederavičiūtė K., Koreivienė J., Zakrys L., Lubys A., Paškauskas R. (2015). Draft genome sequence of the cyanobacterium *Aphanizomenon flos-aquae* strain 2012/KM1/D3, isolated from the Curonian Lagoon (Baltic Sea). *Genome Announcements*, 3(1):e01392-14. <http://dx.doi.org/10.1128/genomeA.01392-14>.
- 2014
- Šulčius S., Staniulis J., Paškauskas R., Olenina I., Salytė A., Ivanauskaitė A., Grinienė E. (2014). Absence of evidence for viral infection in colony-embedded cyanobacterial isolates from the Curonian Lagoon. *Oceanologia*, 56(3):651-60. <http://dx.doi.org/10.5697/oc.56-3.651>.
- 2011
- Šulčius S., Staniulis J., Paškauskas R. (2011). Morphology and distribution of phage-like particles in eutrophic boreal lagoon. *Oceanologia* 53(2):587-603. <http://dx.doi.org/10.5697/oc.53-2.587>
  - Šulčius S., Staniulis J., Paškauskas R. (2011). Comparative analysis of methods for quantitative assessment of virus-like particles in eutrophicated aquatic environments. *Botanica Lithuanica*, 17(2-3):127-33.

## CONFERENCE PROCEEDINGS

2013

- Vaičiukynas E., Verikas A., Gelžinis A., Bačkauskienė M., Šulčius S., Paškauskas R., Olenina I. (2013). Prototype-based contour detection applied to segmentation of phytoplankton images. *AWERProcedia Information Technology and Computer Science*, 3, 1285–1292. 3rd World Conference on Information Technology (WCIT-2012), 14-16 November 2012, University of Barcelona, Barcelona, Spain.

2012

- Gelžinis A., Vaičiukynas E., Bačkauskienė M., Verikas A., Šulčius S., Paškauskas R., Olenina I. (2012). Boosting performance of the edge-based active contour model applied to phytoplankton images. *Computational Intelligence and Informatics (CINTI)*, 273–277. IEEE 13th International Symposium on Computational Intelligence and Informatics, 20–22 November, 2012, Budapest, Hungary.

2011

- Dyachkov V., Mickevičienė R., Gedvilas M., S. Šulčius S. (2011). Conceptual design of ECO research floating self-propelled laboratory. Transport means: Proceedings of the 15<sup>th</sup> international conference: 174-176. 15<sup>th</sup> International conference "Transport Means 2011". October 20-21, 2011, Kaunas, Lithuania.

## POPULAR SCIENCE

### In Lithuanian

2015

- Cyanobacteria blooms pose a serious risk to summer activities in the Curonian Lagoon ([www.grynas.lt](http://www.grynas.lt)).

- Cyanobacteria: good or bad? (Mens Libera, Klaipėda University Journal, ISSN 2351-7212).

2013

- Mesocosmic future ([www.jaunasis-tyrejas.lt](http://www.jaunasis-tyrejas.lt)).

- Bacteriophages of the Curonian Lagoon ([www.jaunasis-tyrejas.lt](http://www.jaunasis-tyrejas.lt)).

2011

- Alien vs. Predator: Phage therapy for aquatic ecosystems ([www.jaunasis-tyrejas.lt](http://www.jaunasis-tyrejas.lt)).

- Pirates of the Cells: The Curse of the Plankton Bacteria ([www.jaunasis-tyrejas.lt](http://www.jaunasis-tyrejas.lt)).