**DIVERSITY OF CHRYSOPHYCEAN STOMATOCYSTS OF THE STEPPE ZONE OF THE SOUTH URALS**

M. E. Ignatenko,* and T. N. Yatsenko-Stepanova,**

* Institute for Cellular and Intracellular Symbiosis RAS, Orenburg Federal Research Center
Pionerskaya Str., 11, Orenburg, 460000, Russia

*#e-mail: ignatenko_me@mail.ru

**#e-mail: yacenkovit@gmail.com

The data on the diversity of chrysophycean stomatocysts of the steppe zone of the South Urals are presented. 14 morphotypes of the stomatocysts were identified, four of which were registered for the first time in Russia. Two morphotypes are described as novel. The morphological descriptions of the cysts based on the electron microscopical observations, micrographs and the data on geographical localities are provided for all detected stomatocysts. A high diversity of chrysophycean stomatocysts indicates a significant development of chrysophyte flora in the waterbodies of the steppe zone of the South Urals, and for this reason their further research is relevant and promising.

**Keywords:** stomatocysts, morphotype, Chrysophyceae, distribution, South Urals

**ACKNOWLEDGEMENTS**

The authors are grateful to O.G. Kalmykova, PhD in Biological Sciences, senior researcher of Department of Landscape Ecology of the Institute of Steppe of Ural Branch RAS of Orenburg Federal Research Center for her assistance in conducting field collection.

**REFERENCES**


**DOI:** 10.31857/S0006813622020053


https://doi.org/10.11646/phytotaxa.187.1.1


https://doi.org/10.11646/phytotaxa.288.1.4


https://doi.org/10.7872/crya/v38.iss2.2017.159


https://doi.org/10.1134/S0006813619050120


https://doi.org/10.31857/S0006813620030084

Snitko L.V., Snitko V.P., Blinov I.A. 2018. The formation and morphology of stomatocysts golden algae (Chrysophyceae, Synurophyceae) in the plankton of water bodies of the South Urals. — International journal of applied and fundamental research. 11: 114–118 (In Russ.).

http://dx.doi.org/10.17513/mjpfi.12460


https://doi.org/10.1134/S0006813619040094


https://doi.org/10.1134/S0006813619040094


http://dx.doi.org/10.11646/phytotaxa.170.3.3


https://doi.org/10.1016/S0003-9365(97)80026-7


https://doi.org/10.1134/S0006813616110016


http://dx.doi.org/10.1007/BF00213046


https://doi.org/10.1007/978-94-017-0811-1


https://doi.org/10.2216/10-94.1


https://doi.org/10.1139/b93-086


https://doi.org/10.2307/1485985