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born in 1989, 28 June

### **Education & Experience**

Graduated Lugansk State University, Ecological Department in 2011; PhD student in Institute of Biology of the Southern seas, Sevastopol, 2011-2014; PhD thesis: Crustaceans in Crimean hypersaline waters: fauna, ecology, distribution., 2014 (Institute of Biology of the Southern seas, Sevastopol), DSc thesis: Diversity and role of animals in the structure, functioning and dynamics of hypersaline water ecosystems, 2022 (Institute of inland water biology, Borok). 2014 -2015 - junior research scientist in Institute of Biology of the Southern seas; 2015-2017 - research scientist in Institute of Biology of the Southern seas; 2017-2021 - senior research scientist in Institute of Biology of the Southern seas; 2021 - now - head of Laboratory of extreme ecosystems, Institute of Biology of the Southern seas. I am and was a head of three projects of Russian Science Foundation and one of Russian Foundation for Basic Research in 2018-2025. Editorial Board member of the Journals: *Arthropoda*, Russian journal of biological physics and chemistry. Guest co-editor of the special issue "Ecosystems of Inland Saline Waters" of the international journal "Water", 2020-2021. Professor at Sevastopol State University, I teach the course "Introduction to the Geobiophysics of the Hydrosphere".

Trainings: Tianjin University of Science and Technology «Advanced International Training Course on Salt Lakes and Salts», China, Tianjin, 2017. MLR Key Laboratory of Saline Lake Resources and Environments, Institute of Mineral Resources, Chinese Academy of Geological Sciences (CAGS), China, Beijing, 2014. Distributed European School of Taxonomy-grant for participation in the training course "Training programme in Crustacean systematics with specialization in Cyclopidae (Copepoda)" Museum and Institute of Zoology, Polish Academy of Sciences, Poland Warsaw, 2013.

Awards: Laureate of the RAS Medal and Prize for young scientists of Russia for the best scientific work in the field of general biology (Moscow, Russia, 2017). Winner of the W. Williams Prize of the International Society for the Study of Salt Lakes for the best report by a young scientist (Ulan-Ude, Russia, 2017). Laureate of the Otto Kinne International Foundation Prize for Promising Young Ecologists (Oldendorf, Germany, 2015). Laureate of the Prize. V. A. Vodyanitskiy for young scientists (Sevastopol, Russia, 2015, 2017, 2018, 2021, and 2023).

Research interests: Hydrobiology, extreme habitats, functioning and dynamics of saline lake ecosystems, trophic relations, behavior of aquatic organisms, aquaculture, invertebrate zoology, Cyclopoida, saline lake conservation and integrated management.

### **Five last representative publications on saline lakes:**

1. Prazukin A. V., Anufrieva E. V., Shadrin N. V. Biomass of *Cladophora* (Chlorophyta, Cladophorales) is a promising resource for agriculture with high benefits for economics and the environment //

Aquaculture International. 2024. Vol. 23, iss. 3. P. 3637–3673. <https://doi.org/10.1007/s10499-023-01342-x>  
[WoS 2.900/Q1][SCOPUS 0.639/Q1]

2. Shadrin N., Latushkin A., Yakovenko V., Prazukin A., Anufrieva E. Daily and other short-term changes in the ecosystem components of the world's largest hypersaline lagoon Bay Sivash (Crimea) // *Regional Studies in Marine Science*. 2024. Vol. 77. Art. no. 103643 (11 p.).  
<https://doi.org/10.1016/j.rsma.2024.103643> [WoS 2][Scopus 1]

3. Shadrin N., Yakovenko V., Anufrieva E. Complexity of trophic relationships between *Gammarus aequicauda* (Amphipoda) and *Eucypris mareotica* (Ostracoda) in a hypersaline lake // *Journal of Experimental Zoology. Part A, Ecological and Integrative Physiology*. 2024. Vol. 341, iss. 6. P. 717-726.  
<https://doi.org/10.1002/jez.2821> [WoS 1][Scopus 1]

4. Shadrin N, Yakovenko V, Drozdova P, Saranchina A, Vlasevskaya A, Timofeyev M, Anufrieva E. *Gammarus aequicauda* (Amphipoda) as a promising target for hypersaline aquaculture: New data and potential to serve as an aquafeed. *Aquaculture*. 2025 Jan 30;595:741617. [WoS 1][Scopus 1]

5. Yakovenko V, Shadrin N, Anufrieva E. Interannual differences vs small-scale spatiotemporal variability of spring zooplankton in the Crimean marine hypersaline lake. *Continental Shelf Research*. 2024 Nov 1;282:105338. [WoS 1][Scopus 1]

Candidate statement: I am involved in saline lake research already for more than 15 years. I participated in the 12th and 13th International Conferences of Salt Lake Research in 2014 and 2017 (Russia). Research of inland saline, including hypersaline, waters has a growing human volubility. Our Society should promote: 1. to develop wider and more detail study of different lake aspects, and 2. to deepen understanding of this and make bridges between science, public and decision-makers. We need more communicate with different sectors around the world. One other main task is also to develop a theoretical conceptual view on saline lake ecosystems, their role in landscape connectivity and in support of human being, second – to develop and popularize an idea that saline lakes are not only valuable salts, but also they have diverse valuable biological and recreational recourses, and third – we need to go to an implementation of integrated sustainable multipurpose use of saline lakes and their watersheds around the world.

As a member-at-Large of the Society, I plan to give my main attention to several goals: first, to involve more members from different countries and scientific areas, who interested in every issue of the saline lake research and use, especially young. Second, to promote in developing some programs to teach and train young scientists and students, to involve them in international networks including on technogenic and hybrid nature-technogenic saline water bodies. Third, to promote organization of topic workshops and develop joint projects and networks. Fourth, to promote attract an attention to the possibilities and prospects for sustainable multi-purpose use of biological resources of salt lakes.

[https://www.researchgate.net/profile/Elena\\_Anufrieva](https://www.researchgate.net/profile/Elena_Anufrieva)

<https://www.scopus.com/authid/detail.uri?authorId=55949005200>

<https://sci-info.marine-research.ru/scientists/18/biblios>

<https://ibss-ras.ru/about-ibss/structure-ibss/scientific-departments/laboratory-of-extreme-ecosystems/anufrieva-elena-valerevna.php>