



Dr. Elena Anufrieva

Ph.D. in Hydrobiology,

Head, Laboratory of extreme ecosystems,

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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; 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 in Laboratory of extreme ecosystems, Institute of Biology of the Southern seas. I am and was a head of two projects of Russian Science Foundation and one of Russian Foundation for Basic Research in 2018-2021. Guest co-editor of the special issue "Ecosystems of Inland Saline Waters" of the international journal "Water" (ISSN 2073-4441; SCOPUS = Q1, WoS = Q2), 2020-2021.

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).

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. Shadrin N., Yakovenko V., **Anufriieva E.** Suppression of *Artemia* spp. (Crustacea, Anostraca) populations by predators in the Crimean hypersaline lakes: A review of the evidence // International Review of Hydrobiology. 2019. Vol. 104, iss. 1-2. P. 5-13. DOI: 10.1002/iroh.201801966. [WoS 2.281/Q2][SCOPUS 0.959/Q1]
2. Shadrin N., Kolesnikova E., Revkova T., Latushkin A., Dyakov C., **Anufriieva E.** Macrostructure of benthos along a salinity gradient: The case of Sivash Bay (the Sea of Azov), the largest hypersaline lagoon worldwide // Journal of Sea Research. 2019. Vol. 154. Article no. 101811 (9 p.). DOI: 10.1016/j.seares.2019.101811. [WoS 1.704/Q2][SCOPUS 0.837/Q1]
3. **Anufriieva E.**, Shadrin N. The long-term changes in plankton composition: Is Bay Sivash transforming back into one of the world's largest habitats of *Artemia* sp. (Crustacea, Anostraca)? // Aquaculture Research. 2020. Vol. 51, iss. 1. P. 341-350. DOI: 10.1111/are.14381. [WoS 1.502/Q3][SCOPUS 0.646/Q2]
4. Shadrin N., Yakovenko V., **Anufriieva E.** The behavior of *Gammarus aequicauda* (Crustacea, Amphipoda) during predation on chironomid larvae: Sex differences and changes in precopulatory mate-guarding state // Journal of Experimental Zoology. Part A, Ecological and Integrative Physiology. 2021. Vol. 335, iss. 6. P. 572-582. DOI: 10.1002/jez.2500. [WoS 2.553/Q1][SCOPUS 0.834/Q1]
5. Mattia Saccò, Nicole E. White, Chris Harrod, Gonzalo Salazar, Pablo Aguilar, Carolina F. Cubillos, Karina Meredith, Bonnie K. Baxter, Aharon Oren, **Elena Anufriieva**, Nikolai Shadrin, Yeri Marambio-Alfaro, Víctor Bravo-Naranjo and Morten E. Allentoft. Salt to conserve: a review on the ecology and preservation of hypersaline ecosystems // 2. Biol. Rev. (2021), pp. 000–000. doi: 10.1111/brv.12780 (SCOPUS 4.99/Q1, WoS 12.82/Q1).

#### **Candidate statement**

I am involved in salt lake research already for more than 10 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. deeping understanding of this making bridges between science, public and decision-makers. We need more communicate with different sectors. One other main task is to develop a theoretical conceptual view on saline lake ecosystems, their role in landscape connectivity and in a 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. As a member-at-Large of the Society, I plan to give my main attention to several goals:

First, to involve more young members from different countries and scientific areas, who interested in every issues of saline lake researches and use.

Second, to develop some programs to teach and train young scientists and students, to involve them in international networks.

Third, to promote organization of topic workshops and develop joint projects and networks.