

Nickolai Shadrin  
Ph.D. in Hydrobiology,  
Leading Research Scientist in  
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#### Education & Experience

Graduated Leningrad (St.-Petersburg) State University, Biological-Soil Faculty, 1974. PhD thesis: Influence of temperature and feeding condition on dynamics of planktonic copepod populations, 1982, Institute of Biology of the Southern seas, Sevastopol.

1983-1985 - research scientist, Biological Institute of Buryat Branch of Academy Sci. of USSR (Ecological & Parasitological Dep.), Ulan-Ude.

1985 – 2015 - senior res. scientist, Institute of Biology of the Southern seas (1985 – 2007 – Marine ecosystem functioning Dep., since 2007 – Dep. of Marine animal physiology and general biochemistry), Sevastopol.

January –December 2014 - also senior visiting scientist in Research & Development Center of Saline Lake and Epithermal Deposits, CAGS, Beijing, China.

2015 – now – leading res. Scientist, Kovalevsky Institute Marine Biological Research, Sevastopol, Russia.

I was a leader / co-leader of several international projects and of many expeditions, also take part in the expeditions in Inner Mongolia and Lake Yuncheng (China), worked in VietNam and India. Area of research interests: general, saline lake and semi-aquatic ecology, geoecology, life in extreme environment, biofilms, stromatolites, ecosystem functioning, alien species, food webs, integrated sustainable environmental management, aquaculture, eco-physiology and ethology of hydrobionts, long-term changes, evolution, and etc. Member of Journal's Editorial Boards: J. of Biosafety (China), J. of Biosafety & Health Education (USA), and acted as a guest editor in different journals including for special issues of 2014 and 2017 International Conferences of Salt Lake Research. Act as a lecture for MSc and PhD students in different universities, and a member of organizing committee of different conferences and trainings. I was a member-at-Large of the Society (2014-2017) and took part in organization of International training course in Tianjin (China), best paper completion among young scientists, etc.

#### Five Representative Publications on saline lakes

Anufriieva E.V., **Shadrin** N.V. 2014. The swimming behavior of *Artemia* (Anostraca): new experimental and observational data. *Zoology*, 117: 415-421.

Anufriieva E., Holynska, M., **Shadrin** N. Current invasions of Asian cyclopoid species (Copepoda, Cyclopoidae) in Crimea, with taxonomical and zoogeographical remarks on the hypersaline and freshwater fauna // *Annales Zoologici*, 2014, vol. 64(1):109-130.

**Shadrin, N. V., Anufriieva, E. V., Amat, F., & Eremin, O. Y. (2015).** Dormant stages of crustaceans as a mechanism of propagation in the extreme and unpredictable environment in the Crimean hypersaline lakes. *Chinese journal of oceanology and limnology*, 33(6), 1362-1367.

**Shadrin, N. V., El-Shabrawy, G. M., Anufriieva, E. V., Goher, M. E., & Ragab, E. (2016).** Long-term changes of physicochemical parameters and benthos in Lake Qarun (Egypt): Can we make a correct forecast of ecosystem future? *Knowledge and Management of Aquatic Ecosystems*, (417), 18. <https://doi.org/10.1051/kmae/2016005>

**Shadrin, N. V., Anufriieva, E. V., Belyakov, V. P., & Bazhora, A. I. (2017).** Chironomidae larvae in hypersaline waters of the Crimea: diversity, distribution, abundance and production. *The European Zoological Journal*, 84(1), 61-72.

**Shadrin NV, Anufriieva EV, Kipriyanova LM, Kolesnikova EA, Latushkin AA, Romanov RE, Sergeeva NG.** The political decision caused the drastic ecosystem shift of the Sivash Bay (the Sea of Azov). *Quaternary International*. 2017 Dec 11.

<https://doi.org/10.1016/j.quaint.2017.12.009>

Candidate's Statement

I am involved in salt lake research already for more than 20 years. I participated in the 9th and 13<sup>th</sup> International Conferences of Salt Lake Research in 2002 and 2017 (Russia) and was one of the organizers of the 12th conference of ISSLR in China. Research of inland saline waters has a growing human dimension. Our Society should promote to develop understanding of this by study and making bridges with 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 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 to develop joint projects and networks.