

## ON THE 80<sup>th</sup> ANNIVERSARY OF PROFESSOR YURIY TOKAREV



On 19 August, 2023, Yuriy Tokarev would have turned 80. He was deputy director for research at the Institute of Biology of the Southern Seas, scientific supervisor of IBSS, laureate of the State Prize of Ukraine in Science and Technology, Honored Worker of Science and Technology of the Republic of Crimea, D. Sc., Professor, and head of the biophysical ecology department.

Yu. Tokarev was born in the city of Poti (Georgian SSR) into a military family. In 1945, they moved to the city of Sevastopol. There, he entered school in 1950 and graduated with a silver medal in 1960. The same year, he became a student of the radio electronics faculty at the Sevastopol Branch of the Odessa Polytechnic Institute (since 1963, the Sevastopol Instrument Engineering Institute). In 1965, he graduated with honors and received the qualification of a radio engineer.

In 1967, Yuriy Tokarev was invited to the bioluminescence laboratory of the plankton department at IBSS of the Academy of Sciences of the Ukrainian SSR to work as a senior engineer. In 1972, he was elected to the position of a junior researcher in this department; in 1976, he was appointed deputy director for general affairs. Since 2002, he headed the biophysical ecology department; since 2015, he was also scientific supervisor at our institute.

In 1990, Yu. Tokarev defended his PhD thesis, and in 2001, his D. Sc. dissertation. Both scientific works covered biophysical aspects of pelagic ecology.

He published over 250 scientific papers in prestigious domestic and foreign journals, as well as 8 monographs. He was involved in dozens of scientific projects, from regional to international ones, and headed some of them. His activities were marked by the award *For Scientific Achievements* of the National Academy of Sciences of Ukraine (2006) and the State Prize of Ukraine in Science and Technology (2007). Moreover, he was awarded the title of Honored Worker of Science and Technology of the Republic of Crimea (2011).

Since 1969, participating in numerous scientific expeditions on research vessels and making presentations at international conferences, forums, and symposiums, Yuriy Tokarev visited more than 50 countries. He worked in the Pacific, Indian, and Atlantic oceans as a head of a scientific group and expedition scientific secretary, deputy head, and head.

Yu. Tokarev proposed a new direction in marine research – biophysical ecology, *i. e.*, study of environmental issues using biophysical techniques. It is difficult to enumerate all the achievements of this scientist and the staff of his department in an important and promising direction of modern hydrobiology – in biophysical ecology of hydrobionts. The main ones are: establishing patterns of formation of the biological field structure at a small-scale level, which play a key role in increasing the efficiency of fishing; development of recommendations and new approaches for the assessment and rational use of the World Ocean biological resources; and elaboration of modern hydrobiological terminology and new ideas about non-trophic interactions of pelagic communities having great general biological and practical significance.



High demands on himself and others, adherence to principles in investigations, benevolence, erudition, intelligence, decency, outstanding talent as a scientist, teacher, and leader, and exceptional human qualities earned Yuriy Tokarev the well-deserved respect of his colleagues, graduate students, and junior researchers. Under his supervision, a number of PhD theses were defended, and several more works were prepared for defense. Being one of the most respected and experienced professors at IBSS, he taught a course in biophysics at the Sevastopol Technical University, was involved in various educational and pedagogical activities, and curated the Junior Academy of Sciences in Sevastopol.

Yu. Tokarev was a talented person with a subtle sense of humor and a profound knowledge in history, art, literature, music, and sports. He was very passionate about poetry and wrote himself; his poems always reflected an insatiable thirst for life, optimism, and love for everything beautiful.

### **ПАМЯТИ УЧЁНОГО: К 80-ЛЕТИЮ СО ДНЯ РОЖДЕНИЯ ПРОФЕССОРА ЮРИЯ НИКОЛАЕВИЧА ТОКАРЕВА**

19 августа 2023 г. исполнилось бы 80 лет заместителю директора по научной работе и заведующему отделом биофизической экологии ИнБЮМ Юрию Николаевичу Токареву. Он стал автором более чем 260 публикаций и был активным участником научных экспедиций.