

**QUALITY ACHIEVEMENTS  
Department of "Biology and Ecology"  
for the 2023–2024 academic year**

<b>Field</b>	<b>Achievements</b>
1 Academic work	Students of the 1 <sup>st</sup> – 2 <sup>nd</sup> year of the Educational program of a double bachelor's degree in the direction 6B05203 "Environmental protection and rational use of natural resources (Republic of Belarus), concluded between the Non-profit Joint Stock Company "Toraigyrov University" and the Belarusian State Technological University, study in the Republic of Belarus.
2 Academic and-methodological work	EMCOD in all disciplines and EMC have been developed for the educational programs of the department. 2 monographs and 10 teaching aids have been published.
3 Scientific work	<p>1 The Department of Biology and Ecology is working on the following funded projects:</p> <p>1) Program 217 "Development of science", subprogram 102 "Grant financing of scientific research", specifics 156 "Payment for consulting services and research", priority "Rational use of water resources, flora and fauna, ecology" project on the topic: "Development of an ecological system for phytosanitary control of destructive biota (phytophages and phytopathogens) of spring wheat in the North-East of Kazakhstan" No. 66KMU2/4 dated February 24, 2021. Deadlines from 03.03.2021 to 12/31/2021. The amount of financing is 15,095,360 (fifteen million ninety-five thousand three hundred and sixty) tenge. Deadlines from 05.01.2022 to 12/31/2022. The amount of financing is 14,988,510 (fourteen million nine hundred eighty-eight thousand five hundred ten) tenge Deadlines from 01/05/2023 to 12/31/2023. The amount of financing is 11,858,710 (eleven million eight hundred fifty-eight thou</p> <p>2) Program 217 "Development of science", subprogram 102 "Grant financing of scientific research", specifics 156 "Payment for consulting services and research", according to priority: "Scientific foundations "Rational use of water resources, fauna and flora, ecology" project on the topic: IRN AR13068394 "Dendroclimatic studies using the gradient method (transect) on the territory of the SEMEY ORMANY State Forest Natural Reserve No. 113-KMU3/2 dated May 20, 2022 as a researcher. The deadline is from 30.05.2022 to 12/31/2022. The amount of financing is 14,067,362 (fourteen million sixty-seven thousand three hundred sixty-two) tenge. Deadlines from 05.01.2023 to 12/31/2023. The amount of financing is 16,543,083 (sixteen million five hundred forty-three thousand eighty-three) tenge. Deadlines from 03.01.2024 to 12/31/2024. The amount of financing is 19,434,520 (nineteen million four hundred thirty-four thousand five hundred twenty) tenge;</p> <p>2 Acts of introduction into the educational process and production - 17. Obtaining security documents for intellectual property objects – 9.sand seven hundred ten) tenge;</p>
4 Students' scientific research	The number of published articles on the department was 68, including 11 articles in the journals CCSES RK, Thomson Reuters, Scopus – 7 articles, in the materials of domestic conferences – 41 articles, foreign conferences – 9 articles.

Discussed and approved at a meeting of the department (Minutes No. 1 dated August 27, 2024)

**Head of the Department of Biology and Ecology**



**A. Kaliyeva**

