

**Scientific projects for 2021-2024 of  
the Department of Natural Sciences**

№	Name of scientific projects	Last name, first name, patronymic of the head	Source of financing	The amount of financing (tenge)	Status
<b>Scientific projects aimed at financing research and development</b>					
1	Development of a technological production scheme with the provision of prototypes of cosmetic products based on substandard salt-containing raw materials and natural additives	Doctor of Biological Sciences, Professor Issaeva A.U.	Ministry of Education and Science of the Republic of Kazakhstan	60 000 040	Not approved
2	Technology of biological wastewater treatment from organic pollutants using the method of microbial biocoagulation	Doctor of Biological Sciences, Professor Issaeva A.U.	Ministry of Education and Science of the Republic of Kazakhstan	66 978 809	Not approved
3	Optimization of the functioning of centralized biological wastewater treatment systems in the pharmaceutical and cosmetology industry by selecting the composition of phytomeliorant plants	Doctor of Biological Sciences, Professor Issaeva A.U.	Ministry of Education and Science of the Republic of Kazakhstan	7 200 000	Implemented in 2021
4	Production and sale of young bee families at an early age	Candidate of Agricultural Sciences Shimelkova R.Zh.	The World Bank A project for commercialization	57 000 000	Implemented 2022-2023 yr.
5	Development of a method for carbon dioxide utilization using green microalgae	Doctor of Biological Sciences, Professor Issaeva A.U.	Ministry of Education and Science of the Republic of Kazakhstan	100 000 000	Under consideration
6	Creation of a bee nursery for the production of honey bees of domestic breeding	Candidate of Agricultural Sciences Shimelkova R.Zh.	Ministry of Education and Science of the Republic of Kazakhstan Science Committee	50 000 000	Not approved
7	Development of technology for the production of bioproteins based on industrial waste	Candidate of Agricultural Sciences Zhumadullayeva A.I.	Ministry of Education and Science of the Republic of Kazakhstan	100 000 000	Under consideration
8	Development of a digitized management system for the rational use of the gene pool, crop	Candidate of Agricultural Sciences	Ministry of Agriculture of the Republic of	100 000 000	Under consideration

	pollination and production of organic products in the selection work in beekeeping in Kazakhstan	Shimelkova R.Zh.	Kazakhstan		
<b>Projects aimed at the implementation of business agreements</b>					
1	Methodological guidelines for pedagogical and methodological research	Candidate of Agricultural Sciences, Associate Professor of Biology Kydyrbaeva A.E.	Secondary general educational school "Zhalyn"	450 000	It has been implemented since 2022
2	The education system and digital technologies in chemistry teaching	Candidate of Technical Sciences, Associate Professor of Chemistry Kistaubaev E.I.	South Kazakhstan Multidisciplinary College	600 000	It has been implemented since 2022
<b>International project</b>					
1	Development of intensive technology for the maintenance and breeding of honey bees	Candidate of Agricultural Sciences Shimelkova R.Zh.	Self-financing	1 500 000	It will be implemented from 2024