


APPROVE
**Head department of chemistry and
chemical technologies**

_____ **Takibayeva A.T.**
" ____ " _____ **2022**

**The plan of research work of students and undergraduates of the Department
X and XT for the 2022-2023 academic year**

No. p/p	Events (Name of works)	Deadlines	Performers	Completion mark
one.	The work of NIRS circles			
1.1	Chemistry and chemical technology	During the school year	Takibayeva A.T. Demets O.V.	
1.2	Section "Biotechnology";		Kinayatov M.A. Derbush S.N.	
1.3 –	Section "Mineral enrichment";		Sherembaeva R.T. Omarova N.K.	
2.	Involvement of students and undergraduates in R&D of the department, including work on economic contracts and state budget topics			
2.1	Participation in the development of methods for the isolation and technology of transformation of some natural triterpenoids in order to search for new biologically active substances on their basis	September-December	Takibayeva A.T., Demets O.V.	
2.2	"General testing of the main building of the enrichment plant of Nova Zinc LLP according to the current technological scheme"	September-June	Omarova N.K. Sherembaeva R.T.	
2.3	"Chemical technology of organic substances" - " Development of new methods for the transformation of lupane triterpenoids to amino-substituted derivatives in order to search for new biologically active substances »	September-December	Takibayeva A.T. Demets O.V. Tuktybaeva A.E.	
3.	Organization and holding of olympiads and competitions			
3.1	Participation in the Republican research competition for students and undergraduates	January-February 2023	Takibayeva A.T. Rakhimberlinova Zh.B. Karilkhan A. Mukarkhan K.	
3.2	Conducting a subject Olympiad in chemistry, biology for schoolchildren of grades 9-11 .	April-2023	Zhaksybaeva M.E. Karilkhan A. Zhorabek A.A.	
four	Participation in scientific conferences			

4.1 –	Participation in the Republican student scientific conference “The contribution of youth science to the implementation of the Strategy “Kazakhstan-2050”. Publication of abstracts-40	April-2023	Takibayeva A.T.,	
4.2	Participation in the International scientific-practical conference "Integration of science, education and production - the basis for the implementation of the Plan of the Nation" (Saginovsky Readings No. 15). Publication of abstracts - 10	June-2023	Takibayeva A.T., Tuktybayeva A.E.	

Reviewed and approved at the meeting of the department "Chemistry and Chemical Technologies" protocol No. ____ dated _____

Responsible for NIRSM

Tuktybaeva A.E.