

I APPROVE

**Head of the Department of
Chemistry and Chemical
Technology**

Takibayeva A.T.
«02» ____09____2024

**The plan of research work of students and undergraduates of the Department of
Chemistry and Chemical Technology for the 2024-2025 academic year**

No. p/p	Events (name of works)	Deadlines	Performers	Mark of completion
1.	Work of research circles			
1.1	Chemistry and chemical technology	During the school year	Takibaeva A.T. Demets O.V.	
1.2	Section «Biotechnology»		Kinayatov M.A. Derbush S.N.	
1.3	Mineral Processing Section		Sherembaeva R.T. Omarova N.K.	
2.	Involvement of students and undergraduates in R&D of the department, including work on economic agreements and state budget topics			
2.1	Participation in the development of methods for the isolation and technology of transformation of some natural triterpenoids with the aim of searching for new biologically active substances on their basis	September-December	Takibaeva A.T., Demets O.V.	
2.2	Audit of the production control system and material balance (balance of metals) in the processing of mineral raw materials at the Akzhal enrichment plant	September-June	Omarova N.K. Sherembaeva R.T.	
2.3	«Chemical technology of organic substances» -Production of anti-seborrheic shampoo based on pentacyclic triterpenoid betulin	September-December	Takibaeva A.T. Demets O.V. Zhorabek A.A. Rakhimberlinova Zh.B.	
3.	Organization and holding of Olympiads and competitions			
3.1	Participation in the Republican scientific research competition for students and postgraduates	January-February 2025	Takibaeva A.T. Rakhimberlinova Zh.B. Karilkhan A. Mukarhan K.	

3.2	Participation in the International Subject Olympiad in Chemistry for students of the OP «Chemical Technology of Organic Substances», «Biotechnology»	During the school year	Takibaeva A.T. Rakhimberlinova Zh.B. Karilkhan A. Mukarhan K.	
3.3	Conducting subject Olympiads in chemistry and biology for schoolchildren in grades 9-11.	February-2025	Zhaksybaeva M.E. Karilkhan A. Zhorabek A.A.	
4	Participation in scientific conferences			
4.1	Participation at the Republican student scientific conference «The contribution of youth science to the implementation of the Strategy «Kazakhstan-2050». Abstract Publication-20	April-2025	Takibaeva A.T., Zhorabek A.A.	
4.2	Participation in the International scientific and practical conference «Integration of science, education and production - the basis for implementing the Plan of the Nation» (Saginovskie readings №). Publication of abstracts - 10	June-2025	Takibaeva A.T., Zhorabek A.A.	

Reviewed and approved at the meeting of the Department of Chemistry and Chemical Technology, protocol No. _1_ dated 09/02/2024. _____

Responsible for Research and Development

Zhorabek A.A.