

СОҢҒЫ 5 ЖЫЛДА БАСЫЛЫМҒА ШЫҚҚАН МАҚАЛАЛАРЫ:

Шетелдік:

- 1) Kumar S., Ahmad A., Irshad K., Prakash O., Kausher R., Hasnain S.M.M., Pandey Sh., **Tapalova A.**, Akykbekov N., Zairov R. Solar stills: A review for water scarcity solutions. *Heliyon*. 2024. Volume 10, Issue number 19. Articlenumber E38751
doi.org/10.1016/j.heliyon.2024.e38751
- 2) **Neganova, M, Aleksandrova, Y, Voloshina, A, Lyubina, A, Appazov, N, Yespenbetova, S, Valiullina, Z, Samorodov, A, Bukharov, S. Gibadullina, E. Tapalova, A, Bogdanov, A.** Biological Activity Evaluation of Phenolic Isatin-3-Hydrazones Containing a Quaternary Ammonium Center of Various Structures. *International journal of molecular sciences*, 2024. Volume 25. Issue 20. DOI 10.3390/ijms252011130
- 3) Farooq M, Dovzhenko A, Zairov R, Abyzbekova G, Harb M, Arkook B, Akylbekov N, **Tapalova, A.**, Makhlof M. Insights into the Engineered Gold Nanoparticle-Based Remedy for Supplementation Therapy of Ovarian Carcinoma. *ACS OMEGA*, 2024 Volume 9, Issue 30, Page 33033-33043 DOI 10.1021/acsomega.4c04134
- 4) **Yespenbetova, S., Abyzbekova, G., Tapalova, A., Arynova, K., Balykbayeva, G.** Features of online teaching of laboratory practices in physical chemistry at the university. *Open Learning: The Journal of Open, Distance and e-Learning*, 1–15.
<https://doi.org/10.1080/02680513.2024.2442387>
- 5) **Rahman, MA, Hasnain, SMM, Pandey, S, Tapalova, A, Akylbekov, N, Zairov, R.** Review on Nanofluids: Preparation, Properties, Stability, and Thermal Performance Augmentation in Heat Transfer Applications. *ACS OMEGA*, 2024 Volume 9, Issue30 Page 32328-32349
<https://doi.org/10.1021/acsomega.4c03279>
- 6) G. Abyzbekova, Zh. Zholdasbayeva, **A. Tapalova**, Sh. Yespenbetova, G. Balykbayeva, K. Arynova. The Effectiveness of the Competence Approach in the Training of Chemistry Teachers. *Journal of Chemical Education*. – 2023, 100(9). – Vol. 100, N. 9. – P. 3484–3493. DOI: <https://doi.org/10.1021/acs.jchemed.3c00496>
- 7) V. Trifonov, Almir S. Gazizov, **A. S. Tapalova**, L.K. Kibardina, N.O. Appazov, A. D. Voloshina, A. S. Sapunova, A. P. Luybina, G. Abyzbekova. Synthesis and Anticancer Evaluation of Novel 7-Aza-Coumarine-3-Carboxamides. *International Journal of Molecular Sciences*. – 2023. – Vol. 24, N. 12. – P. 9927. DOI: 10.3390/ijms24129927
<https://www.mdpi.com/1422-0067/24/12/9927>
- 8) Khassenova M., Saudabayeva G., **Tapalova A.S.**, Abyzbekova G., Zholdasbayeva Zh., Bandaev S. Development of natural science literacy of students through the use of case technology in chemistry classes. *Scientific Herald of Uzhhorod University. Series Physics*. 2024 (55) *Issue 55*. – P.2025-2033. DOI: 10.54919/physics/55.2024.202it5
- 9) Romanov S.R., Shibaeva K.O., Minnullin R.R., Shulaeva M.P., Pozdeev O.K., **Tapalova A.S.**, Galkina I.V., Bakhtiyarova Yu.V. α -Carboxylate Phosphobetains in Alkylation and

Complexation Reactions. Uchenye Zapiski Kazanskogo Universiteta. Seriya Estestvennye Nauki. . – 2023. – Vol. 165, N. 1. – P. 158-169. DOI: 10.26907/2542-064X.2023.1.158-169

10) B. Diyarova, N. Appazov, B. Bazarbayev, B. Dzhiembaev, O. Lygina, **A.S. Tapalova**. Production of activated carbon granulated by treatment of rice husk and straw with an oil sludge using polyvinyl acetate as a binder. Egyptian Journal of Chemistry. – 2023. – Vol. 66, N. 13. – P. 1871 – 1878. DOI: 10.21608/EJCHEM.2023.210552.7969

11) [Narmanova, R. Tapalova, A., Zhapparbergenov R. Appazov, N. Biological Products for Soil and Water Purification from Oil and Petroleum Products. Evergreen.](#) – 2023. – Vol. 10, N. 2. – P. 688-695. DOI: 10.5109/6792815

12) Galkina I.V, Andriyashin V.V., Romanov S.R, Abzhalelov B.B. Kuzhamberdieva, S. **Tapalova A.S.** Litvinov I.A. Bakhtiyarova, Yu.V. Synthesis, Structure of Phosphorylated Sterically Hindered Methylene Quinones and Ylides Thereof. Russian Journal of Organic Chemistry. Том 58, Выпуск 10, Страницы 1559. October 2022
<https://doi.org/10.1134/S107042802210027X>

13) U. Abdikerova, Zh.Abilbek, A.Shegenbayev, **A. Tapalova**, K. Arynova. Study of The Influence of Chemical Additives on the Properties of Fine-Grained Concrete. ARPN Journal of Engineering and Applied Sciences. – 2022. – Vol. 17, N. 15. – P. 1488 – 1494.

14) Appazov N., Diyarova B., Turmanov R., Zhapparbergenov R., Lygina O., **Tapalova A.**, Saduakaskyzy K., Dzhiembaev B. Processing of rice husk and straw into activated carbon. Bulgarian Chemical Communications. – 2021. – Vol. 53, N. 3. – P. 265 – 268. DOI: 10.34049/bcc.53.3.0195