

# Scientific activity

## Scientific works

1. Muratov, A. Innovative technology of vibration compaction of lightweight concrete mixtures. AIP Conference Proceedings [this link is disabled](#), 2023, 2612, 040018.
2. Muratov, O., Muratov, A. Methods of Extending the Collector's Operation Period. AIP Conference Proceedings [this link is disabled](#), 2023, 2612, 020023
3. Ashirbek Muratov, Zulfiya Kannazarova. Zonal features of environmental-meliorative stability of the functioning of drainage systems and their operation. Journal "Irrigation and land reclamation" Special issue. 2022. Pages 14-19.
4. T.D.Muslimov, F.R.Yunusova, A.R.Muratov. The influence of local fillers on the structuring of cement stone in the joint zones of hydraulic concretes. Journal "Irrigation and land reclamation" Special issue. 2022. Pages 94-99.
5. E.K.Kan, A.R.Muratov, D.T.Atadjanova. Calculation of water hammer on the "Shafirkan" branch of the Kiziltepa pumping station. Journal "Irrigation and reclamation" No. 2 (28). 2022. Pages 44-50.
6. A.R.Muratov, T.D., Muslimov, Oybek Muratov "Technology of increasing corrosion tolerance of pressure pipes of pumping stations" Agro Processing magazine. Volume 5, Issue 1, pp. 44-52. Doi <http://dx.doi.org/10.5281/zenodo.000000>. Doi Journal 10.26739/2181-9904
7. Z.Mirkhasilova, M.Yakubov, L.Irmukhamedova, N.Rakhimov, N.Norkuzieva. Establishment of additional norms for irrigation water. E3S Web of Conferences 386, 02002 (2023) GISCA 2022 and GI 2022. <https://doi.org/10.1051/e3sconf/202338602002>
8. B. B. Khasanov, N. I. Vatin, R. K. Choriev, L. Kh. Irmukhamedova, F. B. Qilicheva and T. A. Mirzaev. Modification of Concrete Mix During Pressing. Cite as: AIP Conference Proceedings 2612, 040030 (2023); Published Online: 15 March 2023. <https://doi.org/10.1063/5.0118299>.
9. Z.Mirkhasilova, M.Yakubov, I.Akhmedov, L.Irmukhomedova and Sh.Tillayev. Calculation of the consumption of pumped water for filtration when watering cotton. Cite as: AIP Conference Proceedings 2612, 050003 (2023); Published Online: 15 March 2023. <https://doi.org/10.1063/5.0113499>.
10. Shavkat Usmanov, Murat Yakubov, Zulfiya Mirkhasilova, Ludmila Irmukhomedova and Luiza Babakulova. The ways of using collector drainage waters for irrigation. E3S Web of Conferences 365, 01018 (2023) CONMECHYDRO - 2022. <https://doi.org/10.1051/e3sconf/202336501018>.
11. D.R.Bazarov, B.E.Norkulov, O.Jumanov, K.Islamov, Sh.M.Nazarova. Assessment of the hydraulic and turbidity regime of the stream in the water intake from the river without a dam. "Problems of architecture and construction" scientific and technical journal No. 1 (Part 2). 2023. Samarkand. Pages 140-144.
12. B.E.Norkulov, Sh.M.Nazarova, D.A.Kalandarova, A.I.Kurbanov. Study of the process of intensive local reformations of an easily eroded channel in the middle section of the Amudarya River. Journal "Irrigation and land reclamation" Special issue. 2022. Pages 64-68.
13. A.R.Muratov, F.R.Yunusova, T.D., Muslimov "Acceleration of structuring in joint zones of hydraulic concrete fillers" Journal of Agro Processing. Volume 5, Issue 4, 9 pages. Doi Journal 10.26739/2181-9904.
14. D.R.Bazarov, B.Shodiyev, Sh.M.Nazarova "Development of a technique for damping flow energy at medium-pressure and low-pressure hydraulic structures" Journal of Agro Processing. Volume 4, Issue 7, pp. 5-13. Doi Journal 10.26739/2181-9904.

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15. F.R.Yunusova Z.F.Beknazarova "Active lifestyle is a product of innovation efficiency", "Women in sustainable development. Science and quality education". Collection of the III-International Conference, pp. 774-780, Tashkent-2023.

16. Z.F.Beknazarova, F.R.Yunusova "Synthesis and Crystal Structure of Carbaminythioglycolic Acid Morpholide". Collection of scientific works of the international forum, Tashkent-2023, February 10-14, 636 pages.

17. Bekhzod Norkulov, Adkham Mamataliev, Umida Kurbanova, Shohida Nazarova, Bobur Shodiev and Iqboloy Raimova. Increasing efficiency of flow energy damping with lateral water intake. E3S Web of Conferences 365, 03044 (2023) CONMECHYDRO - 2022. <https://doi.org/10.1051/e3sconf/202336501018>.

18. Bakhridin Khasanov, Nikolai Vatin, Ruzimurat Choriev, S.Akhmedov, Shohida Nazarova and Timur Mirzaev. Change in the strength properties of modified concrete over time. E3S Web of Conferences 365, 02017 (2023) CONMECHYDRO - 2022. <https://doi.org/10.1051/e3sconf/202336501018>.