

## SCIENTIFIC WORKS

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#### **Efficiency of training scientific and scientific-pedagogical personnel.**

Currently, scientific research at the department is carried out by the main doctoral students

Khaitova Makhbuba, Malikov Elyor, Dustnazarova Sanobar, Narzullaev Jamshid, Abdukarimov

Abror, Khamidov Ahrorkhan, Karimova Madina, Burkhanova Munisa, Ergashev Jamshid and doctoral students Ishchanov Zhavlon and Gulomov Sardar. At the same time, teachers under the age of 45 also work on scientific work.

#### **Training of scientific and pedagogical personnel on the basis of independent researchers.**

**Mamataliev A.B.** conducts research work on the topic "Technology of drip irrigation of main and secondary crops in conditions of irrigated desert-sandy soils (using the example of the Surkhan-Sherabad oasis)." The candidate's dissertation is 100% complete. Scientific supervisor: Professor Khamidov M.K., Ph.D.

Results achieved: Literature on the topic was analyzed. Dissertations, scientific literature, reports, articles, as well as scientific research conducted and carried out in this area in our republic, foreign experience and Internet data were analyzed. The theoretical part for 2021-2022 has been completed, this is 100% of the work. Published 2 articles at international conferences, 1 article in a republican journal and 1 article in a foreign journal.

**Botirov S.Ch.** conducts research work on the topic "Scientific justification and implementation of a system of agricultural measures for the maintenance of zoned (model), promising and new medium-fine-fiber cotton varieties." The Doctor of Science prepared 65 percent of the doctoral dissertation. Scientific supervisor: Professor Khamidov M.K., Ph.D. Results achieved: the literature on the dissertation work was analyzed. 4 articles published.

**Bekmirzaev G.T.** - research work conducts research on the topic "The influence of saline soils and drought conditions on the growth and development of vegetable plants, mineral composition, photosynthesis process and water consumption." The Doctor of Science prepared 60 percent of the doctoral dissertation.

Achieved results: the literature on the dissertation work was analyzed. 2 articles were published in Scopus, 4 articles were published at national and foreign conferences.

**Yulchiev D.G.** - Research work is underway on the topic "Improving the method for express assessment of the level of salinity in irrigated areas of the Khorezm region." 95% of doctors of sciences. Scientific supervisor: Ph.D., senior researcher Yormat Shermatov.

Achieved results: the literature on the dissertation work was analyzed. The theoretical and experimental parts of the dissertation are completed. Published 4 articles in republican and foreign journals and 4 articles at republican and foreign scientific conferences