

# Irrigation and Melioration



## Head of the department "Irrigation and Melioration"

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The Department of Irrigation and Melioration is one of the main departments at Tashkent Institute of Irrigation and Agriculture Mechanization Engineers. The department was named "Irrigation and Melioration" in order to improve training of meliorator-engineers; and develop educational, methodological and scientific research works in the field of irrigation. The history of the formation of the scientific and pedagogical collective begins with the formation of engineering and meliorative branch of Turkestan State University (1923). Famous scientists V.Jurin, N.Yanishevsky, E.Zalesky took part in the formation of the department. The first head of the department was: professor B.Shlegel. In different years the department was headed by famous scientists and meliorator-engineers N.Makridin, V.Malign, V.Poslavsky, V.Legostaev and B.Korjavin. They left an inexhaustible mark not only in the department`s activity, but also in the history of irrigation of Uzbekistan and other countries of Central Asia. In subsequent periods, the department was led by graduates of TIAME K.Akhmedov, A.Rachinsky, G.Podgornov, F.Rakhimbaev. Under the leadership of these scientists, numerous textbooks, teaching and methodological manuals were published, candidate and doctoral dissertations were prepared. Partially, textbooks in Uzbek on irrigation and drainage melioration were first published by professor K.Ahmadov. During this period, up to 100-150 meliorator-engineers were trained annually. Professors and teachers of the department conduct lectures, practical and laboratory classes in Uzbek and Russian languages. On 17 educational directions at the bachelor's degree and 5 directions at the master`s degree the following subjects are taught: "Introduction to Water Management and Melioration", "Agricultural Hydrotechnic Melioration", "Melioration and Recultivation of Lands", "Agricultural Hydrotechnical Melioration and Exploitation of Hydromelioration System", "Chemical Melioration", "Chemical Melioration", "Environmental Management", "Water Use in Agriculture", "Melioration and Protection of Lands", "Methods of Conducting Field Experiments", "Water-saving Technologies for Irrigation", "Biomelioration", "Reconstruction of Hydromelioration Systems", "Landscape Irrigation", "Projecting of Water-saving Systems", "Link Between the Soils of Plants and Water", "Measuring and Measure Means" (theory and application).

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