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THE SCIENTIFIC SCHOOL OF PROF. P. GOLODRYGA (1920–1986) ON DEVELOPMENT OF VITICULTURE

Summary

The aim of the article is to trace the preconditions for the formation of scientific school of Prof. P. Golodryga and main directions of his scientist's activity, his students and followers and their contribution to the development of viticulture in the Ukraine and in the world on the base of scientific works, reminiscence of contemporaries of Prof. P. Golodryga (1920-1986) and materials from his personal archive.

Outstanding domestic scientist in selection and physiology of grape, bright personality, doctor of biological sciences, professor Pavel Yakovlevich Golodryga (1920-1986), director of all-union scientific-research institute of wine-making and viticulture “Magarach” in 1968-1977 had a significant influence on the development of viticulture science in the Ukraine and in the world. His scientific works has the large theoretical and practical importance in different aspects of science about grape. That is selection and genetics, biochemistry and biophysics, experimental mutagenesis, physiology of immunity and culture in vitro. One of the main P. Golodryga's achievements is the creation of viticulture scientific school in 50-80 years on the base of SRI “Magarach”. It has authority not only in former USSR but in the whole world.

Professor P. Golodryga has formed here real, absolutely informal team of

researchers, creative group of professionals, scientists of different generations united by general scientific interests. Talents, outstanding scientific results, devotion to science, moral authority, scientific adherence to principles, ability to direct the work, benevolence and enthusiasm are the features which help P. Golodryga to found and to conduct the first “Magarach” viticulture scientific school.

It is established that 27 Candidate's and Doctor's thesis are prepared and defended under the leadership of the scientist.

As a result of the researches it is established that the team of his students under his leadership solved three scientific problems: 1- obtaining grape varieties of early ripening periods with short vegetation period and small sum of active temperatures; 2- obtaining varieties with complex resistance to unfavorable biotic and abiotic factors; 3- improving of selection process in the direction of breeding dates for new varieties.

Important achievements of his students at the same time his brother-in-arms, scientists and teachers, branch's specialists and leaders of enterprises L. Troshin, I. Suyatinov, N. Nilov, Yu. Malchikov, N. Dubovenko, V. Dranovsky, V. Volynkin, V. Zlenko, M. Kostik, S. Scherbakov have been described.

The general conclusion is the scientific school of professor P. Golodryga has been formed and successfully worked on the base of new directions in viticulture substantiated by the scientist. 27 Candidate's and Doctor's thesis are prepared and defended under his supervision. Authors of these works began the scientific researches on improving and working out the express-method diagnostics of genotypical specific features of vine using physiological and biochemical indexes. Representatives of scientific school have done the priority researches for using biophysical methods in viticulture. Thanks to the results of the activity of professor P. Golodryga's scientific school the All -union scientific-research institute of wine-making and viticulture “Magarach” became the leading center of scientific investigations in viticulture.

Key words: *P. Golodryga, All-Union scientific-research institute of wine-making and viticulture “Magarach”, scientific school, genetics, selection and biophysics of grape.*