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160 Years of the Forest Experimental Station of the Timiryazev Agricultural Academy (1862–2022)

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Abstract. *Forest Experimental Station of the Russian State Agrarian University – Moscow Timiryazev Agricultural Academy is connected with the formation and development of experimental forestry in Russia. The first work on the study of forest stands began here in 1862. 2022 marks another anniversary since the first arrangement of the forest area and the laying of the first permanent trial plots, so the purpose of the study is to sum up the main results of research work in the Forest Experimental Station of the RSAU-MTAA for 160 years of continuous observations (1862–2022). Since 1862, 258 permanent trial plots in pine, larch, birch, oak and spruce stands have been established in the Forest Experimental Station. The results of studying the growth of pure and mixed forest stands, the effect of fertilization, economic activities, the origin of seeds on the dynamics of forest stands were obtained. Studies of the hydrological role of forest stands have been carried out, showing their influence on the redistribution of atmospheric precipitation, water runoff and evaporation. In addition, the results of research are reflected in the scientific work of foresters, soil scientists, ecologists, botanists, geographers and specialists in other natural sciences. The stands of the Forest Experimental Station are of inestimable scientific and industrial importance, they allow making theoretical generalizations and developing time-tested practical recommendations for production.*

Key words: *Forest Experimental Station, stationary studies, long-term experiments, permanent trial plots*

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