

# Transformation of the main agricultural systems of Inner Kakheti and related landscape and environmental problems

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Geography, as a constructive field of science, in the modern period is primarily required to solve the problematic issues of humanity. One of them is the grocery and, in particular, agroecological problems related to it, it is precisely these problems that will be addressed in the master's thesis presented for review, on the example of Kakheti, one of the regions of Georgia distinguished by the development of viticulture. In the main chapters of the thesis, with a deep analysis of the issue, such important topics are discussed as: the essence of agrolandscapes in general and its place in the system of anthropogenic landscapes, in particular, the vineyard, as one of the important modifications of the agrolandscape, and its place in the taxonomy of anthropogenic complexes are determined; The natural conditions of the Inner Kakheti physical-geographical sub-district and regional features of viticulture development, transformation of natural landscapes and perspectives of viticulture development. Here, the survey is focused on the sustainability of landscape-forming factors, the response of agro-landscapes to anthropogenic impacts, and the agro-ecological assessment of modern landscapes of the study region.

Several dozens of illustrative materials (tables, graphs, block diagrams, photo-illustrations of typical views) and a list of used literary sources, in Georgian and foreign languages, are attached to the work. The paper ends with quite constructive conclusions and practical recommendations, which will be very important and valuable to be taken into account by appropriate regional organizations.