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A Model of Natural Systems of Abrau Peninsula, the Black Sea Coast

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Abstract

Studies have been made to determine the main factors of formation, spatial organization and functionality of submediterranean landscapes. Factor model of landscape structure of Abrau peninsula based on the field investigations with use of different methods of multivariate analyses as well as ANOVA and some others has been completed. Particular attention was paid to vegetation as the most physiognomic nature component. Four hierarchical levels of plant systems have been determined. It is ascertained that the role of different physicogeographical factors in forming the plant systems structure increases from the lower to the higher levels of organization. The role of external factors essentially grows in plant communities living in the extreme environments. Factor model permit to characterize natural systems and reconstructs the original structure of similar territories with anthropogenic transformation.