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KAUNAS LITHUANIA

ABSTRACT BOOK

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ONTOGENETIC - POPULATIONAL STRUCTURE OF RARE SPESIES PULLSATILA PRATENSIS (L.) MILL. ON THE CONNECTIVE TERITORIES OF VINNYTSYA REGION

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Abstract

Pullsatila pratensis (L.) Mill. - polycarpic, hemicryptophyte, heliosythophyte, xeremosephyte. Representative of the Ranunculaceae family. It is distributed mainly on acidic and alkaline sandy, silicate soils, chalk and limestone sediments, often with granite outcropping in the pine woods, on forest edges, meadow-steppe herbaceous slopes. According to our research, the ontogeny of R. pratensis (L.) Mill. was divided into 8 ontogenetic states: p - j - im - v - g1 - g2 - g3 - s. Was established, that populations are numerical, characterized by a full right-side spectrum, which indicates predominant proportion of generative individuals. In conditions of connective territories, the main anthropogenic factors, which determine the rarity of the model species, are transformation of typical for them floricomplexes due to the cutting, synanthropy and phytobiological contamination. As a result of our research, we have established that according to the Δ/ω classification, population of *Pulsatilla* pratensis (L.) Mill. in the structure of connective territories South-Bug and Dniestersky ecological corridors over the research years carried out the transformation from the ripening (Δ/ω 0.35/0.6) to the transition (Δ/ω 0.35/0.66) with subsequent transformation into the old (Δ > 0,55/ ω <0.60). A young type of population was noted for Nemyisky and Lyadivsky eco-corridors with the subsequent transition to the mature. Thus, as a result of research of populations rare species Pulsatilla pratensis (L.) Mill. in the studied areas connective territories of eco-corridors Vinnytsia region was determined, that characteristic features of species cenopopulations are its completeness and right-sided ontogenetic spectra. Right-siding is a result of the fact, that among cenopopulations the major part is made by vegetogenic and young generative individuals or young generative and medieval individuals. That species in the national ecocorridors Dniprovsky and South-Bug are characterized as normal with subsequent transformation into regressive, while in the regional ecocorridors Lyadivsky and Nemyisky it is restorative. Using of ontogenetic-populational method of research in studies makes possible to evaluate the state and structure of species population and determinate the ways of its preservation and restoration.