

عنوان مقاله:

Determining the structure and map of vegetation of Mirabad protected area (Iran) using DEM and Geographic (Information Systems (GIS

محل انتشار:

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نویسندگان:

فاروق سليماني - MSc Student, Department of Biology (Plant Sciences), Faculty of Sciences, Urmia University, Urmia,

حليل خارا - Associate Prof., Department of Biology (Plant Sciences), Faculty of Sciences, Urmia University, Urmia, Iran

خلاصه مقاله:

The Mirabad protected area (S. Azarbaijan, Iran) has a variety of ecological nurseries due to elevation of the sea, physiographic factors, micro-climates and soil types, and has high vegetation diversity. Mirabad protected area in the Piranshahr-Sardasht axis is between the latitudes of ٣5° ٢٣' and ٣5° ٣١' north, and the lengths ۴۵° ۱۵' and ۴۵° ۲۵', with an area of ۱۱۴۳۵ ha, in the elevation range ۱۱۷۷-۲۰۶۸ m above sea level. The average rainfall and annual temperature over the age of 19 years are ۶95 mm and 17.4 °C, respectively. The present study, examines the vegetation structure of the region in the year YoNY where two types of classification and GIS were used. Thus, with the help of ArcGIS software (ArcGIS 9.P), maps, slope, aspect, and elevation were prepared. From the integration of these maps, in the map of the units of work, YYF study units were homogeneous and identified and then field studies were done in these units. To sample vegetation by random distribution method, Whittaker multi-scale unit parts in plant types, FFY plant species were identified from A1 families and Wo1 genera. In the next step, plant types were based on biological diversity at a similar level of Y\u00e4\u00df in four distinct clusters, with the highest genetic distance between the Astragaleto-Ferulaetum plant type and the Querceto-Amygdaletum plant type. The highest and lowest similarity index was observed between Gulke ۵Y% Gulke and Soeystan ۱۲%, respectively. Biological diversity was higher in Quercetum, .Querceto-Amygdaletum and Querceto-Pistaciaetum species than in other types

كلمات كليدى:

Classification, plant brigades, sardasht, Similarity Index, Whittaker multi-scale plots

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