

Preparing Botanic Formation Map based on Ecological-botanic Studies (Case Study: Isfahan Province)

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Abstract

Vegetation map is an association of plant species or communities that exist in a realm, and its preparation can give a clear picture of plant types or communities on the ground. For this purpose, three new maps were produced for Isfahan province: plant communities' map, vegetation map revised based on Henry Pabo' classification and botanic formation map. These maps were prepared by field data collection, and on the basis of revised ecological regions map, climate, soil type, dominant plant species, and vegetative forms. In third map, Isfahan province was divided to fourteen botanic formations. Besides having the advantages of other maps, this map provides access to plant information in similar and neighbor regions, informs on species available at the same area, enables access to information on similar areas, generalizes similar information to each other, avoids duplication of studies, and reduces the cost and saves time. The mentioned method (new maps) can replace the previous methods and be used in other fields of basic research.

Keywords: Vegetation map, Climate, Ecological regions, Botanic formations. Isfahan province.

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