



## **Investigation of Vegetation Species in Desert Areas of Fars Province**

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### **Abstract:**

The Fars province is located in the south of IRAN, with area of 122830Km<sup>2</sup>. This areas involved saline and alkaline soils. The aim of this research is investigation of salty lands and vegetation degradation for offering of sociable species for any area. Recognition studying of desert area in Fars province was identified using all available data and using GIS and RS technologies. In this study, main indicators have been appointed using Floristical-Fizionomicaly method. Vegetation per cent, growth form, density and altitude were considered as main indicators. More than 50 species of halophytes were collected and 25 plant types were identified in 17 zones of studied area. The main plant types were as follows: Hammada, Halocnemum-Aeluropus and Halocnemum-limonium. Ultimately, halophytes cover map was prepared. In the end of growth season, 50 soil samples from halophyte types in two horizons 0-30cm and 30-100cm were taken and tested. The result showed, the studied area, has saline lands surface and high salinity land with cover of 9000Km<sup>2</sup>.

**Keyword:** Saline Soil, Alkaline Soil, Halophytes, Fars Province