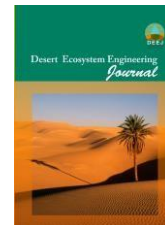




University of Kashan

Desert Ecosystem Engineering Journal

Journal homepage: <http://deej.kashanu.ac.ir>**Assessment of changes in land cover National Park Bamoo**F. Hushmand Firoozabadi¹, A. A. Karimian², M. R. Elmi³ and H. R. Azimzadeh⁴

Received: May/28/2015

Accepted: Aug/26/2015

Abstract

According to the National Park Bamoo protection, land use in and around the park area that have direct and indirect effects and impacts on the park. It is necessary to examine changes in the use and management plan appropriate to the region. To evaluate the quantitative and qualitative changes occurred in the national park Bamoo ecosystem and environmental conservation and management of this area, Landsat satellite images of the three times periods 1366, 1388 and 1390 were prepared and used. In this regard, after the geometric correction and implementation of spatial enhancement of images, taking advantage of unsupervised classification and supervised classification method, maximum likelihood algorithm uses changes were studied and compared. Accuracy of maps produced using overall accuracy and kappa values were calculated. Changes in vegetation cover vegetation index (NDVI) were analyzed. The percentage of vegetation cover, vegetation maps created in three classes, the poor, average and good were classified. The results showed that human uses during the period 1987 to 2011 has grown substantially. The results showed normal coverage area increased and decreased land area is arid.

Keywords: human land use, land use change, satellite imagery, remote sensing, national park Bamoo.

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1. Corresponding author: Yazd, Yazd University, Faculty of Natural Resources and Desert studies. Former M.Sc. Student of Environmental Engineering, Faculty of Natural Resources and Desert studies, University of Yazd; E-mail: f.hoshmand@stu.yazd.ac.ir
 2. Associated Professor, Faculty of Natural Resources and Desert studies, Yazd University; E-mail: akarimian@yazd.ac.ir
 3. Assistant professor, Faculty of Natural Resources and Desert studies, Yazd University; E-mail: m.elmi@yazd.ac.ir
 4. Associated Professor, Faculty of Natural Resources and Desert studies, Yazd University; E-mail: hazimzadeh@yazd.ac.ir