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Graduate School
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In water shed science and engineering majoring in water and soil protection

Title
Determination of effective factors on comprehensive Management of
hamoon wetland using factor analysis

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Abstract

One of the main challenges in the field of socio-economic and environmental sustainability is the category of comprehensive planning and management. Wetlands cover six percent of the earth's surface and provide 20 percent of biodiversity habitats. Measures are needed to protect these valuable ecosystems, especially wetlands with ecological, conservation or economic maps. The present study investigates the determination of factors affecting the comprehensive management of Hamoon Wetland using factor analysis. This research was of applied type and in terms of analytical-survey purpose which was done using documentary and field study method (observation, interview and questionnaire). The statistical population of the study consisted of 34 experts and 1987 rural households from the foothills of Khwajajeh and Hamoon wetlands. Based on Cochran's formula, 321 households were selected as the sample. The validity of the questionnaire was theoretically confirmed based on the views of experts and university professors and its reliability was obtained according to Cronbach's alpha coefficient equal to 0.833. Independent t-tests, heuristic factor analysis and structural equations in SPSS24 and AMOS software were used for data analysis. The results showed that there is a significant difference between Hamoon and Nimroz in terms of economic, social, participatory and environmental dimensions and Nimroz is in a more favorable situation. It was found that these dimensions have an impact on the comprehensive management of Hamoon Wetland and show the greatest impact on the social and participatory dimension with a factor load of 0.97. Based on the obtained results, it is suggested that with long-term planning and correct and optimal management and using public participation, providing entrepreneurial and employment opportunities and supporting the private sector, sustainable areas for maintaining and rehabilitating Hamoon Wetland with a comprehensive management approach. And provided efficiently.

Keywords: Comprehensive Management, Wetland, Factor Analysis, Hamoon Wetland