

## Evaluation of biological parameters of Shirinsoo Wetland for introduced of this habitat in the IBAs

**Jafar Gholami<sup>1</sup>**

**Soheil Sobhanardakani<sup>2\*</sup>**

**Esmail Kahrom<sup>3</sup>**

**Nematolah Khorasani<sup>4</sup>**

*1. Young Researchers and Elite Club, Hamedan Branch, Islamic Azad University, Hamedan, Iran*

*2. Department of the Environment, Basic Sciences Faculty, Hamedan Branch, Islamic Azad University, Hamedan, Iran*

*3. Department of Environment, Tehran, Iran*

*4. Department of Environmental Sciences, Natural Resources Faculty, University of Tehran, Karaj, Iran*

**\*Corresponding author**

s\_sobhan@iauh.ac.ir

**Received date: 2013.08.06**

**Reception date: 2013.12.11**

### Abstract

According to the importance of ecological conditions of Shirinsoo Wetland for resident birds, especially non breeding migratory species a few studies have been conducted in this area in the Iran, in this study we review the role and value of ecosystem and compare the ecological parameters of wetland with Birdlife International criteria for feasibility to introduced this habitat in the IBAs during 2008-2009. For this purpose, study area was visited every 15 days and at each visit for identify and census of bird species using direct observation method. Results show that the 116 bird species belong to 35 families live in Shirinsoo Wetland that among these, *Falco cherrug*, *Neophron percnopterus*, *Oxyuraleucocephala*, *Aythya nyroca*, *Coracias garrulous* and *Limosa limosa* are categorized in the IUCN red list of threatened species. Therefore Shirinsoo Wetland can develop for the selection in the IBAs site due to species of global conservation concern (A1) and regionally important congregations (B1) criteria.

**Keywords:** Shirinsoo Wetland, IBAs, IUCN, Biological Parameters.