



## **Expansion of *Eichhornia crassipes* in reservoir Aghozbon village, possibility of destruction of other water resources and Strategies for Control them**

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### **Abstract**

*Eichhornia crassipes* (water hyacinth) from the Pontederiaceae family and a floating aquatic plant. Aghozban village is located in Babol city (Longitude, 36° 34' 49" and latitude, 52° 41' 39"), Mazandaran province in Iran, which is about 40 hectares. In this survey, water hyacinth was observed and controlled in Aghuzben reservoir in 2016, 2017 and 2018 and entrance routes. In 2016, water hyacinth was spread in the reservoir of Aghozben village. Villagers collaborated in 2017 to collect water hyacinth; otherwise it would not have been possible to collect such invaders in the Aghozban reservoir. The villagers collected the plants with Primary equipment. In 2018, they destroyed them and recovered the reservoir. The best ways to prevent and control water hyacinth are Preventing the spread of this plant from Aghozbon reservoir to other places, public education, Informing and education to fish farmers, Warning florist shops and preventing their sale, Mechanical collection of this plant before seed formation and Forming an invasive aquatic plants committee in order to identify the distribution areas of these plants in the country, prepare a distribution map and control them. The purpose of this study was to identify water hyacinth in water resources and prevent their spread to other water resources in Iran.

**Keywords:** *Eichhornia crassipes*, plant, reservoir, Aghozbon village, Babol, Iran