

NEW RECORD OF THE GENUS POTAMOGETON (POTAMOGETONACEAE) FOR THE AQUATIC FLORA OF IRAN

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For the preparation of Flora of Iran (*Potamogetonaceae*), *Potamogeton alpinus* was collected from Gahar lake (Lorestan province) and is reported as a new record for Iranian flora.

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Key words. *Potamogeton alpinus*, Aquatic flora, new record, Iran.

گزارش یک گونه جدید از جنس *Potamogeton* متعلق به تیره *Potamogetonaceae* برای فلور آبی ایران

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طی نگارش تیره *Potamogetonaceae* برای فلور ایران و شناسایی نمونه های جمع آوری شده از دریاچه گهر گونه *Potamogeton alpinus* Balb. برای اولین بار شناسایی و به عنوان گزارش جدیدی برای فلور آبی ایران معرفی می شود.

Introduction

Potamogeton L. has about 100 nearly cosmopolitan species (Feinbrun-Dothan 1986) in the world and there are 12 species in Iran (Dandy 1971; Akhane 1998; Dinarvand 2009). This genus is the largest aquatic genus in Iran found in lakes, canals, rivers and ponds. In order to preparing Flora of Iran (Assadi 1986) the aqua families of Iran are revised. In a recent collection from Lorestan province *Potamogeton alpinus* Balb. Was collected from Gahar lake that is reported as a new record for Iran. This species has been reported in the neighboring countries i.e Turkey (Uotila 1984), Pakistan (Khadiga Aziz & Jafri 1975) and the former Soviet Union (Yuzepchuk 1968).

Potamogeton alpinus Balb.

Specimen examined. Lorestan province: Doroud, Gahar lake, 2358 m, Dinarvand & Mohamadi. 8760 (TARI and Research Center of Agriculture & Natural Resources of Khuzestan Herbarium).

Submerged plant, reddish or brownish. Stems branched. Submersed leaves entire, lanceolate, 5-7 mm broad and 7-12 cm long, with 7 prominent nerves, obtuse to rounded; floating leaves absent; stipules 2.5-3.5 cm long, free and membranous. Inflorescence spike; peduncle 2.5-3.5 cm long. Flowers

hermaphrodite. Tepals 1 mm long, rounded to spatulate, brown. Stamen 0.8-0.9 mm long, sessile, adnate to the base of tepals; anthers with 2 theca. Ovary superior; carpels 4, 1.5 mm long.

This species among the Iranian species is similar to *P. lucens* L. and *P. nodosus* Poir. but differs from them by having narrow lanceolate, reddish or brownish leaves and also having no floating leaves. In Europe (Dandy 1980) and North American territory, *P. alpinus* has been recorded by with or without floating leaves.

General distribution. Temperate and arctic regions of Europe, Asia and N. America.

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Fig. 1. *Potamogeton alpinus* ($\times 1$); nutlet, left ($\times 9.5$); tepal including stamen ($\times 26$).

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