

## A NEW SPECIES AND A NEW RECORD OF HIERACIUM L. (ASTERACEAE) FROM IRAN

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*Hieracium piranshahricum* is described as a new species from Iran. *H. longiscapum* is reported as a new record for the flora of Iran. They belong to the section *Pratensina* and subsection *Pratenses*. *H. piranshahricum* is compared with its close relative *H. longiscapum*,

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Key words. *Hieracium*, Asteraceae, new species, new record, Iran.

یک گونه جدید و یک گزارش جدید از جنس *Hieracium* در ایران

زهرا توکلی و مصطفی اسدی

گونه *H. piranshahricum* به عنوان گونه جدید از ایران معرفی می‌گردد. این گونه متعلق به بخش *Pratensina* sect. و زیر بخش *Pratenses* subsect. است و با گونه *H. longiscapum* قرابت زیادی دارد. در گونه *H. longiscapum* ساقه با کرک‌های ستاره‌ای و غده‌ای، دمگل آذین و برگه‌های گریبان با کرک‌های غده‌ای، تعداد برگ‌های قاعده‌ای ۲-۴ و مستطیلی، برگهای ساقه‌ای ۱ (-۲)، تعداد کپه‌های گل آذین ۲-۱۰، برگهای ناحیه گل آذین تیره با حاشیه باریک سفید، جام گل در هر دو سطح زرد است، اما در گونه *H. piranshahricum* ساقه بدون کرک ستاره‌ای و غده‌ای، دمگل آذین و برگه‌های گریبان بدون غده، تعداد برگهای قاعده‌ای ۱۳ و واژینه‌ای، برگهای ساقه‌ای ۷، تعداد کپه‌های گل آذین تقریباً ۳۳، برگ‌های ناحیه گل آذین سبز با حاشیه پهن غشایی، جام گل زرد و در سطح خارجی قرمز - بنفش می‌باشد. گونه *H. longiscapum* برای اولین بار از ایران گزارش می‌شود.

## INTRODUCTION

The first author has studied *Hieracium* genus in TARI, IRAN and FAR herbaria for the preparation of Flora of Iran (Assadi 1989). In this paper a new species is introduced and a species is reported for the first time from Iran.

## NEW SPECIES

***Hieracium piranshahricum*** Tavakkoli & Assadi, *sp. nov.*

Planta perennis. Caulis ca. 90 cm longus, 3.5-4 mm diam.; pili 3-4 mm longi, inferne paulo densi et dilute flavi, superne dispersi. Folia basalia 13, 7-120 × 8-15 mm, oblanceolata, acuta vel obtusa, integra, laete viridia, pilis 1-5 mm longis dispersis. Folia caulina 7, lanceolata, acuta, versus apicem gradatim decrescentia. Stolones usque ad 26 cm longi, foliis 12-13; folia 10-40 × 4-12 mm, oblonga, acuta. Inflorescentia laxa paniculate corymbosa, capitulis 33. Pedunculi atrovirides, pili dispersis, eglandulosi, pilis stellati in stato juveni dense praediti. Folia floralia 2-7 mm longa, linearia, late membranacea vel interdum omnino membranacea, moderate pilosa; pili 1-2.5 mm longi. Involucra 6-8 mm longa, cylindraco-obovata; phyllaria linearo-lanceolata, acuta, dilute viridia ad medianum atroviridia, ad marginem membranacea; pili ad basem nigri 1-2 mm longi, eglandulosi; pili stellati superne dispersi, inferne densi. Ligula flava, externe rubro-purpurascens et pilosa.

*Typus.* Kordestan: 8 km North of Mirabad on road to Piranshahr, close to big river, 1300-1400 m, Runemark & Mozaffarian 29175 (holotypus TARI).

Plant perennial. Stem ca. 90 cm high, 3.5-4 mm in diam.; hairs 3-4 mm long, rather dense and pale yellow below, scanty above with black-base; stellate hairs and glands absent. Basal leaves 13 in number, 70-120 × 8-15 mm, oblanceolate, acute or blunt, entire, pale-green, with scanty hairs 1-5 mm long on both sides; stem leaves 7 in number, lanceolate, acute, gradually decreasing upwards. Stolons up to 26 cm long, with 12-13 leaves; leaves 10-40 × 4-

12 mm, oblong, acute. Inflorescence loosely-paniculate-corymbose, with 33 capitules; peduncles dark-green, with scanty hairs, eglandular, with dense stellate hairs when young. Floral leaves 2-7 mm long, linear, broadly membranous or sometimes totally membranous, moderately hairy; hairs 1-2.5 mm long. Involucres 6-8 mm long, cylindrical-obovate; involucral bracts linear-lanceolate, acute, light-green but dark-green at the middle, membranous at the margin, moderately hairy; hairs black at the base, 1-2 mm long, eglandular; stellate hairs scanty above, dense at the base. Ligule yellow, red-purple and hairy outside.

*H. piranshahricum* belongs to the section *Pratensina* Asch. et Graebn. subsection *Pratenses* Juxip and is related to *H. longiscapum* Boiss. et Kotschy. They are compared in table 1.

## NEW RECORD

***Hieracium longiscapum*** Boiss. et Kotschy  
Mazandaran: Polesefid, Sangdeh, Ashak, 1600-2600 m, Assadi 73592.

This species with soft and compressed stem belongs to the section *Pratensina* Asch. et Graebn. It was originally described from Asia minor, but later the distribution of the species extended to Caucasia (Sell & West 1975; Juxip 1960). The species was mentioned from Iran in geographical distribution of the species in Flora of the USSR, (Juxip 1960) with a question-mark. It seems this collection is the first collection of the species from Iran.

## References

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Table 1. Comparison of *Hieracium piranshahricum* and *H. longiscapum*.

Characters	<i>H. longiscapum</i>	<i>H. piranshahricum</i>
Stem length	20-35 cm	90 cm
Stem diameter	1-2 mm	3.5-4 mm
Stem indumentum	hairs 2-3 mm, dense below, with scanty stellate hairs and glands above	hairs 3-4 mm, rather dense below, without stellate hairs and glands
Stolon	up to 10 cm, with 4-5 leaves	up to 26 cm, with 12-13 leaves
Basal leaves	2-4 in number, oblong	13 in number, oblanceolate
Stem leaves	1(-2) in number	7 in number
Number of capitules	2-10	33
Glands of peduncles and involucre	glandular	eglandular
Floral leaves	dark, with narrow white margin	green, broadly membranous at the margin
Ligule	yellow on both sides	yellow, red purple outside

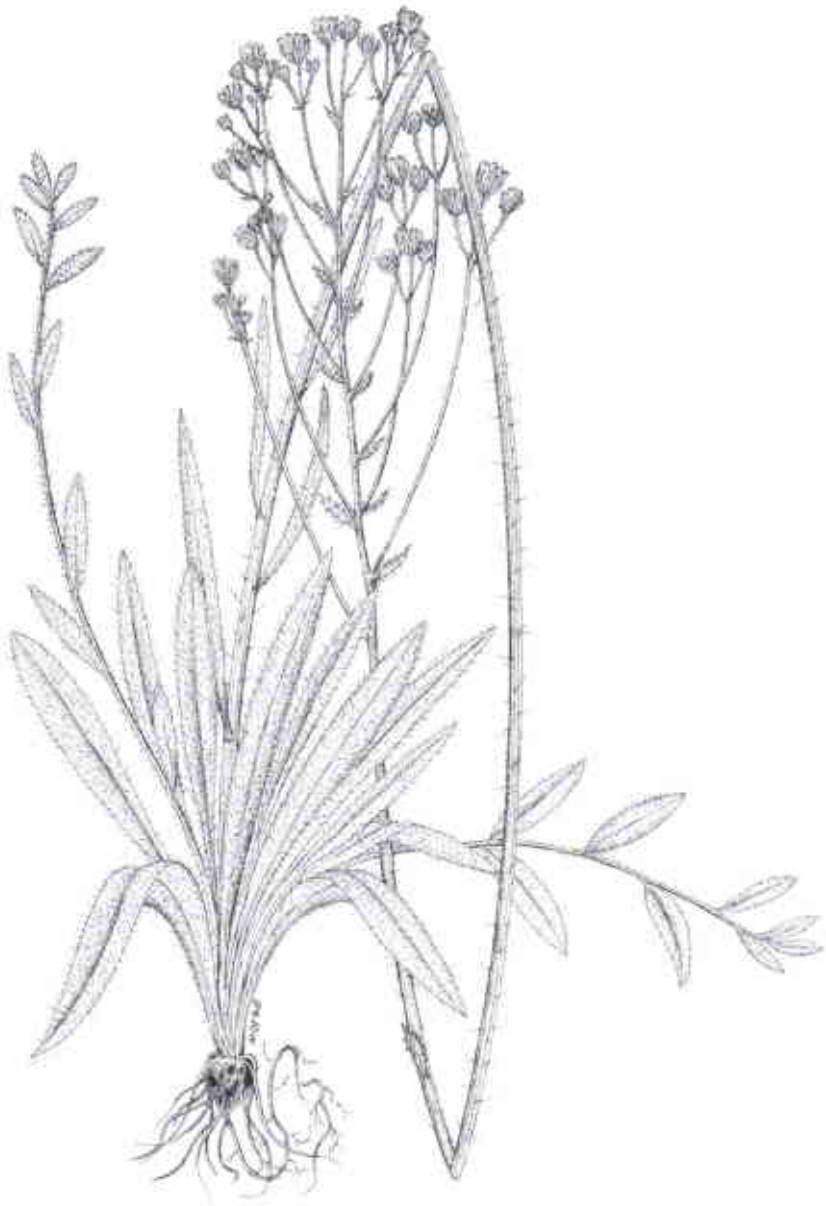


Fig. 1. *Hieracium piranshahricum* ( $\times 0.5$ ).

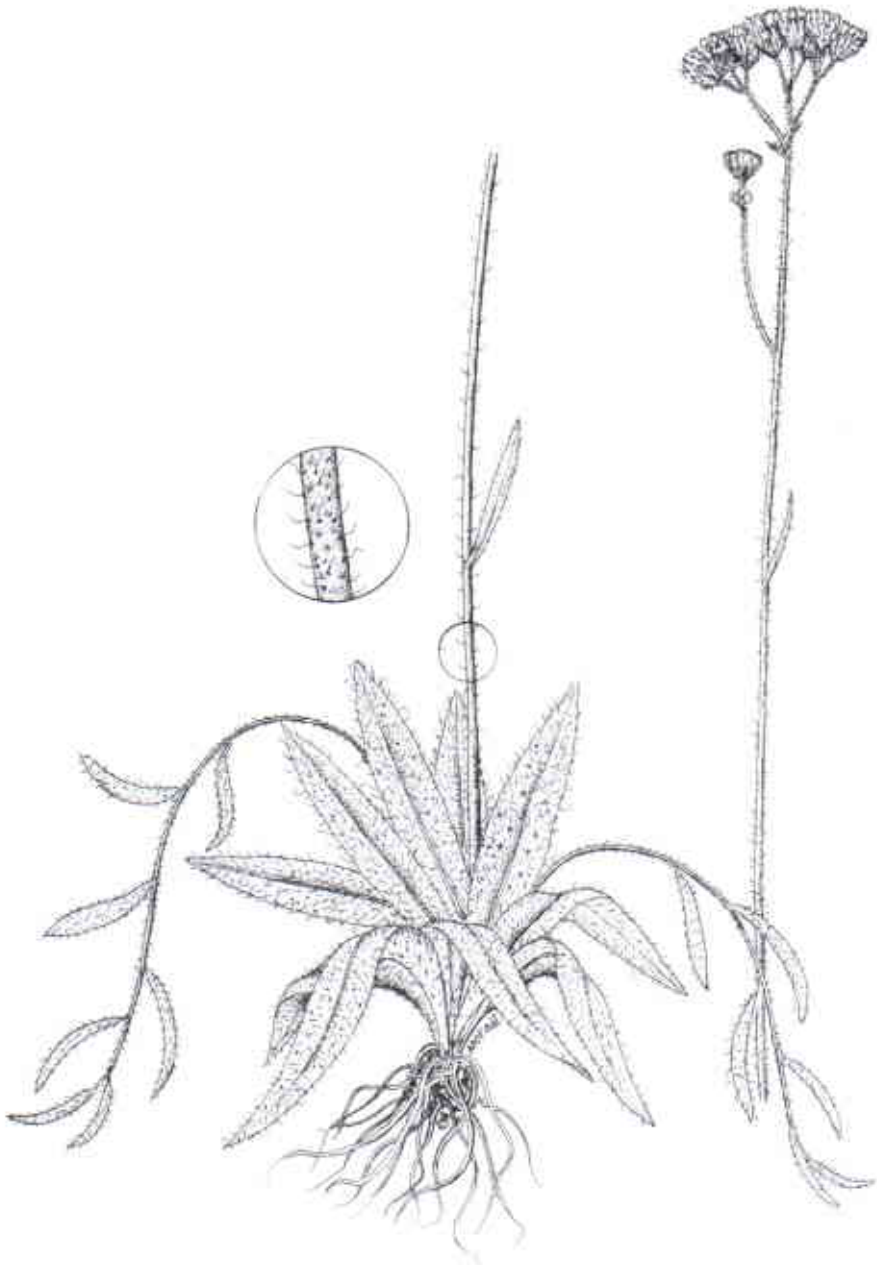


Fig. 2. *Hieracium longiscapum* ( $\times 0.7$ )