

## NOTES ON THE GENERA SCORZONERA L. AND SCOLYMUS L. (ASTERACEAE-LACTUCEAE) IN IRAN

S. R. Safavi

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The author has been working on the project Flora of Iran (Asteraceae-Lactuceae) since 2000. In this period all specimens of the tribe in Iranian herbaria were revised. The present paper is including some results of the project.

*Scorzonera luristanica* Rech. f. var. *lanata* Safavi. is described from N.W. of Iran as a new variety to the science. The differences between the new variety and the type variety are also discussed. All of the Iranian *Scolymus* L. specimens (four specimens in the Central Herbarium of Iran, Research Institute of Forests and Rangeland "TARI" and one specimen in IRAN Herbarium, Research Institute of Plant Pests and Diseases) were revised and determined. According to the descriptions of *Scolymus* L. species in Flora Iranica all of the revised specimens are *Scolymus maculatus* L., although the specimens were previously named as *Scolymus hispanicus* L.

Among the specimens of Iran Herbarium one specimen was seen from "Khuzestan: Shush, no. 34009-E, the specimen has determined as *Scolymus hispanicus* L. by Rechinger (1977), this specimen has renamed to *Scolymus maculatus* L. by the present author. So from two species of *Scolymus* L. in Flora Iranica area only *Scolymus maculatus* L. occur in Iran (West & Southwest).

Seyed Reza Safavi, Research Institute of Forests and Rangelands, Plant Taxonomy Division, P. O. Box 13185-116, Tehran, Iran. E-mail: safavi@rifr-ac.ir.

Key words. Asteraceae, Lactuceae, *Scorzonera*, *Scolymus*, Iran, new variety, new record, taxonomy.

### نکاتی درباره جنسهای *Scorzonera* L. و *Scolymus* L. از تیره آفتابگردان در ایران

سید رضا صفوی

نگارنده از سال ۱۳۷۸ مجری طرح "تهیه و نگارش فلور ایران به زبان فارسی، تیره آفتابگردان-تبار لاکتوسه" بوده است؛ در طول این مدت همه نمونه های تبار در هرباریومهای معتبر ایران مشاهده و نامگذاری شد؛ مقاله حاضر حاوی بخشی از دستاوردهای طرح مذکور است.

*Scorzonera luristanica* Rech. f. var. *lanata* Safavi که از استان کردستان جمع آوری شده است به عنوان وارسته ای جدید برای دنیا معرفی می شود؛ همچنین کلیه نمونه های گیاهی جنس *Scolymus maculatus* L. جمع آوری شده از ایران (چهار نمونه در هرباریوم مرکزی ایران - مؤسسه تحقیقات جنگلها و مراتع و یک نمونه در هرباریوم ایران - مؤسسه بررسی آفات و بیماریهای گیاهی اوین) مشاهده و مجددا نامگذاری شدند. با توجه به شرح گونه های *Scolymus* L. در فلورا ایرانیکا همه نمونه های مشاهده شده که قبلا تحت عنوان *S. hispanicus* نامگذاری شده بودند به *Scolymus maculatus* L. تغییر نام داده شدند. همچنین در میان نمونه های مورد بررسی، یک نمونه از خوزستان، شوش، با شماره E-۳۴۰۰۹ مشاهده گردید که توسط رشینگر تحت عنوان *Scolymus hispanicus* L. نامگذاری شده بود که این نمونه هم به *Scolymus maculatus* L. تغییر نام یافت. بنابر این از دو گونه ذکر شده از این جنس برای محدوده فلورا ایرانیکا تنها گونه *Scolymus maculatus* L. در ایران (غرب و جنوب غرب) انتشار دارد.

## Introduction

In naming specimens of the *Lactuceae* tribe in the herbarium of Research Institute of Forests and Rangelands (TARI) one variety was found which is new to science. The specimen is a duplicate of the Kordestan Province Herbarium (Research Center of Agriculture and Natural Resources, Sanandaj, Iran), so the original specimen is in Kordestan Province Herbarium.

Among the herbarium specimens from Kermanshah and Khuzestan provinces in TARI and IRAN herbaria, five specimens of the genus *Scolymus* L. were found. The specimens were previously named as *Scolymus hispanicus* L. by Rechinger (1977) or Mozaffarian (in TARI herbarium) but according to descriptions of species in Flora Iranica all of the specimens are *Scolymus maculatus* L. So there is only one species of *Scolymus* L. (*Scolymus maculatus* L.) in Iran. Five specimens of *Scolymus maculatus* L. are reported from Iran in this paper and their geographical distributions are explained.

***Scorzonera luristanica* Rech. f. var. *lanata* Safavi, var. nov.** (Fig .1) .

Involucri phylla dense lanata.

*Typus.* Kordestan, Southwest of Sanandaj, Darvishan village, 1880 m., Kafash & Kargar 4569 (holotypus: TARI, isotypus: Kordestan Province Herbarium).

The habitat of new variety and that of *S. luristanica* Rech. f. var. *luristanica*, are alike, both of them grow in "dwarf scrub grassland" with an altitude of 1500 to 2500 m. above sea level.

*S. luristanica* Rech. f var. *luristanica* distributes in Iran (North, Northwest, West, Center and Northeast) and Iraq as an endemic taxon in "Flora Iranica aerea",

but the new variety is only found in one locality in Kordestan of Iran and is endemic for Iranian flora.

The new variety differs from *S. luristanica* Rech. f. var. *luristanica* in dense lanate phyllaries (not phyllaries nearly glabrous, loosely farinose-puberulous or glabrous).

***Scolymus maculatus* L.** (Fig .2).

Kermanshah: Ghasre-Shirin, 470 m., Mozaffarian 79496; Khuzestan: Susangerd, 50 m., Mozaffarian 62828; Khuzestan: Susangerd, 50 m., Assadi & Angoshti 67405; Khuzestan: Ca. 60 Km. on the road from Andimeshk to Ahwaz, between Abdolkhan and Ghalee-sar, 100 m., Mozaffarian 62857; Khuzestan: Shush, 34009-E.

*Scolymus maculatus* L. is a new record for the flora of Iran. According to K. H. Rechinger (1977) in Flora Iranica, This species is distributed in Mediterranean regions and Iraq, but now its distribution extends to Iran.

No type material of the species was seen, but these specimens were compared with the descriptions and photographs of the species (Rechinger 1977).

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## References

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Fig .1. *Scorzonera luristanica* var. *lanata* ( $\times 0.7$ ), achene ( $\times 3.5$ ) phyllaries ( $\times 1.4$ ).

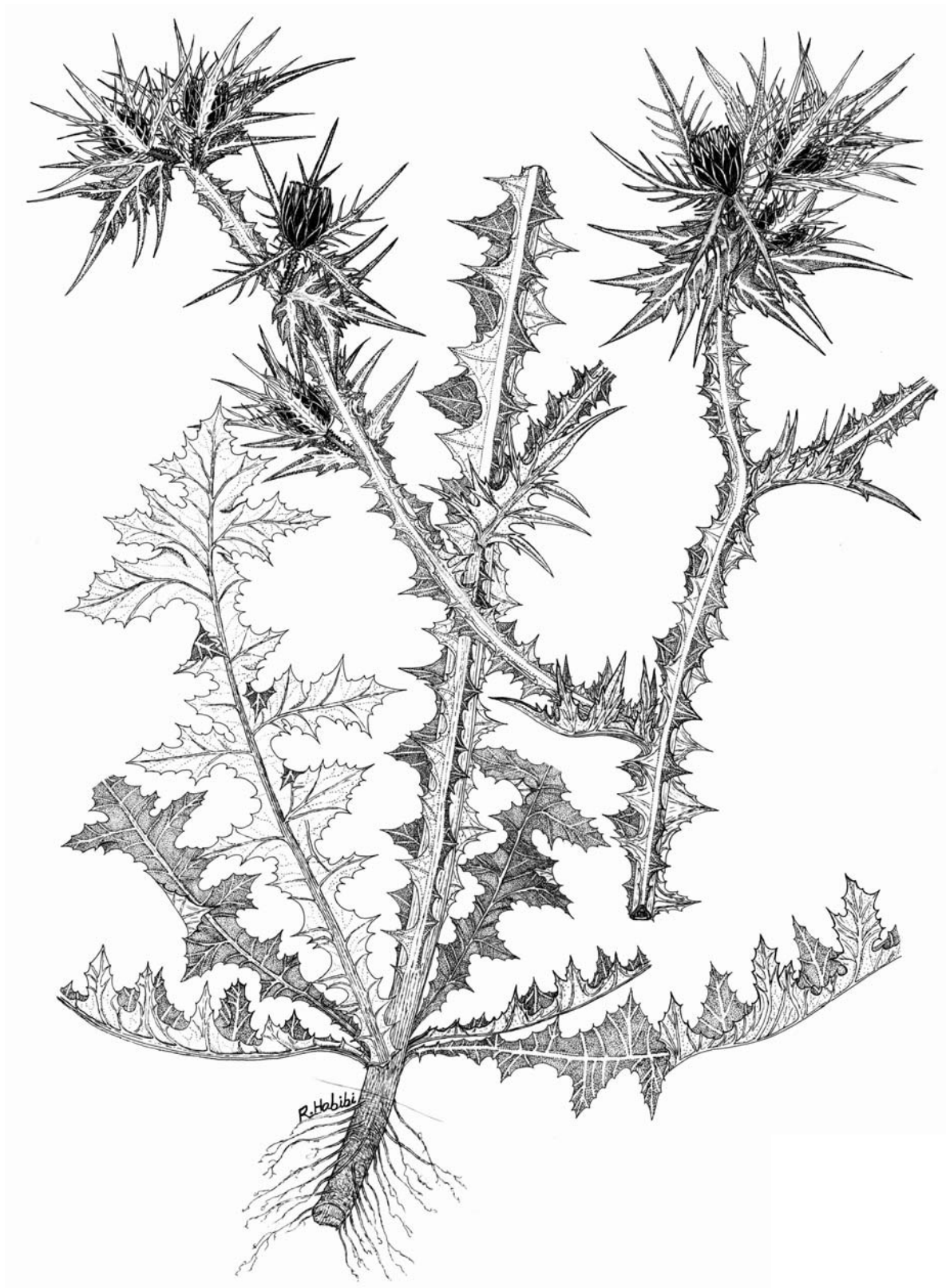


Fig .2. *Scolymus macutalus* ( $\times 0.62$ ).