

PTERACHAENIA (BENTH.) LIPSCH., AS A NEW RECORD OF ASTERACEAE FROM IRAN

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Pterachaenia stewartii is reported for the first time from Iran, it has been collected from the central part of Iran. Chromosome number of this species is reported for the first time.

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Key words. *Asteraceae*, *Pterachaenia*, Iran, new record, chromosomes, mitosis.

جنس *Pterachaenia*، به عنوان گزارش جدیدی از تیره *Asteraceae* برای ایران

سیدرضا صفوی

گونه *Pterachaenia stewartii* که از مرکز ایران جمع‌آوری گردیده، برای اولین بار از ایران گزارش می‌شود. عدد کروموزومی این گونه نیز برای اولین بار ارائه می‌گردد.

Introduction

During the working period in the herbarium of Research Institute of Forests and Rangelands (TARI), a new record from Iran was found which is reported here. The specimens are preserved in TARI.

Pterachaenia stewartii (Hook. f.) R. R. stewart; fig. 1.

Tehran: Kavir protected areae, between Karvansaraye Shahabbasi and Maden, 950 m, Asri & Hamzeh'ee 78376. -Esfahan: Kashan, Rige Boland, 1400 m, Mozaffarian 78377.

This plant was reported in the Flora Iranica area from Afghanistan and Pakistan (Rechinger 1977). These collections are the first gathering from Iran. No type material of the species was seen, but the specimen were compared with the description and the illustration of the species (Rechinger 1977) and they rather match. *Pterachaenia stewartii* is an annual, glabrous plant, phyllaries two-seriate, achene with three

longitudinal suberose wings, wings 1-2 mm broad.

Chromosome studies

Achenes of *Pterachaenia stewartii* were taken from herbarium specimens. Then, the root tips from germinated achenes fixed in the fixing fluid (3:1; absolute ethanol/glacial acetic acid). Root tips were squashed and stained in Fe-acetocarmine (Safavi 1999). $2n=12$ was observed.

Acknowledgment

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References

- Rechinger, K. H. 1977: *Pterachaenia* in K. H. Rechinger Flora Iranica no. 122. -Graz.
- Safavi, S. R. 1999: Chromosome studies in some species of the genus *Scorzonera* L. in Iran. -Iran. Journ. Bot. 8(1): 111-117.

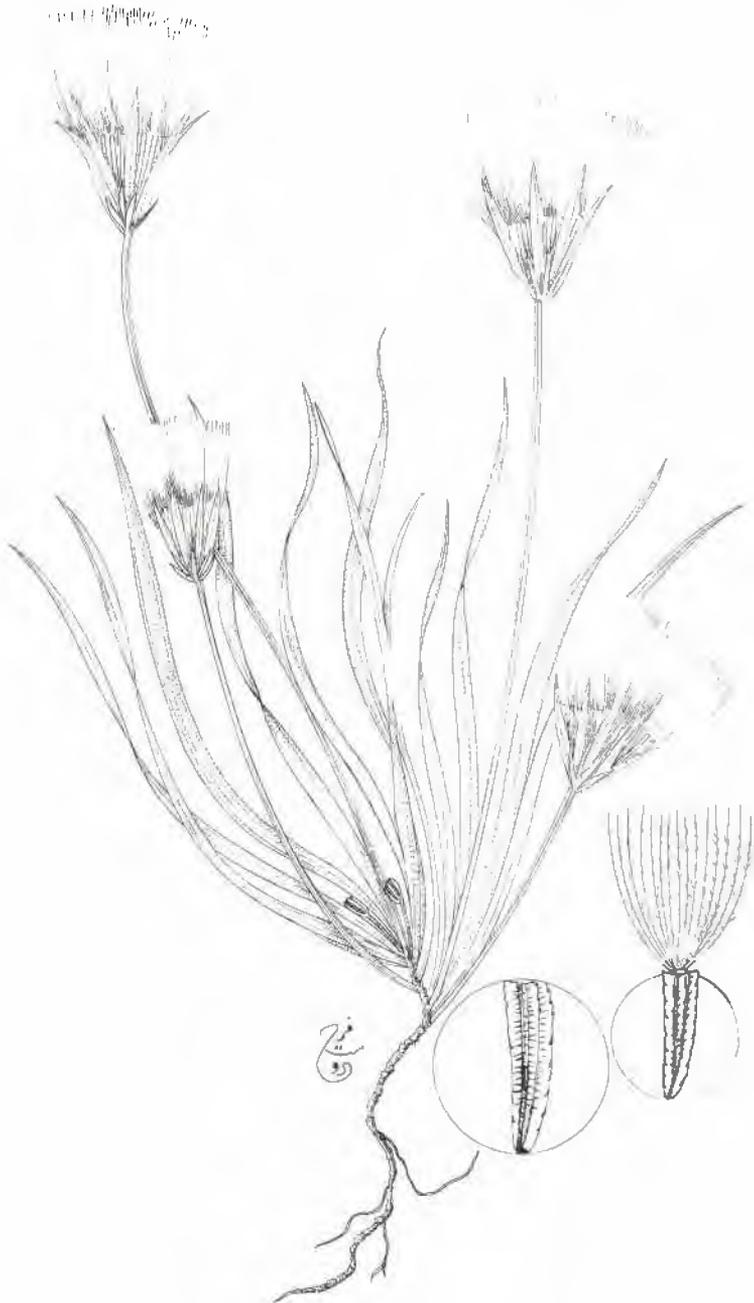


Fig. 1. *Pterachaenia stewartii* (x0.68); achene (x1.36).