

()

Carex

New taxa records of *Carex* from Iran

|| : || :

Carex

C. supina,

C. cilicica *Carex acuta*

C. flava *C. rostrata*

C. rostrata *C. flava* *C. supina* *C. cilicica* *Carex acuta* :

Carex L.

Cyperaceae

(Reznicek 1990)

Carex

(Kukkonen 1998)

:

C. pseudocyperus (Assadi 1988) *C. nigra* *C. vulpina* *C. leporina* *C. capillaris*
C. kukkonenii (Naqinezhad & Ghahreman 2002) *C. extensa* (Akhani 1998)
(Amini Rad 2005) *C. michelii* (Amini Rad 2003)

Carex

C. supina, *C. rostrata*

C. cilicica *Carex acuta*

C. flava

"IRAN")

Carex

(... "TARI"

Boissier 1882, Shishkin 1935, Kukenthal 1936, Parsa 1950, Chater)

(1980, Hooper 1985, Nilsson 1985, Kukkonen 1998

***Carex acuta* L.**

/

/

/ /

/

/
 / /
 / .
 / / /
 / / /

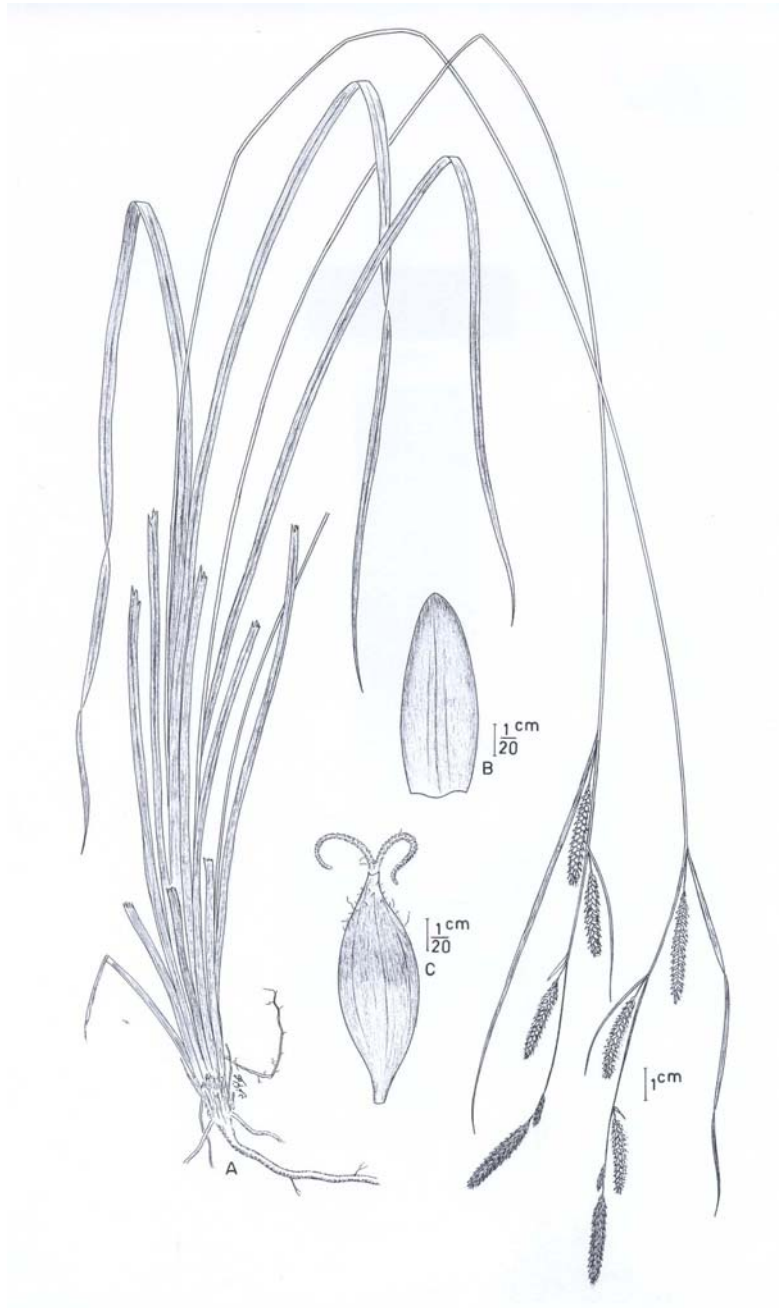
: ()
 ()
C. gracilis Curtis
C. dichroandra V. Krecz.

:
 ()
 :
 .(Kukkonen 1998)
 :
 / :
 .(IRAN 37216)

C. acuta ()
C. acuta
C. orbicularis
C. melanostachya
C. acuta

Carex cilicica Boiss.

/
 ()



(C) (B) (A) :*Carex acuta*

Fig. 1. *Carex acuta*: Mature plant (A), Glume (B), Utricle (C).

/

/

/

/

/

/

/

/

/

/

/

/

/

/

/

/

/

()

C. hostiana DC. var. *froedinii* Fagerström ()

()

(Kukkonen 1998)

:

:

:

(IRAN 50605)

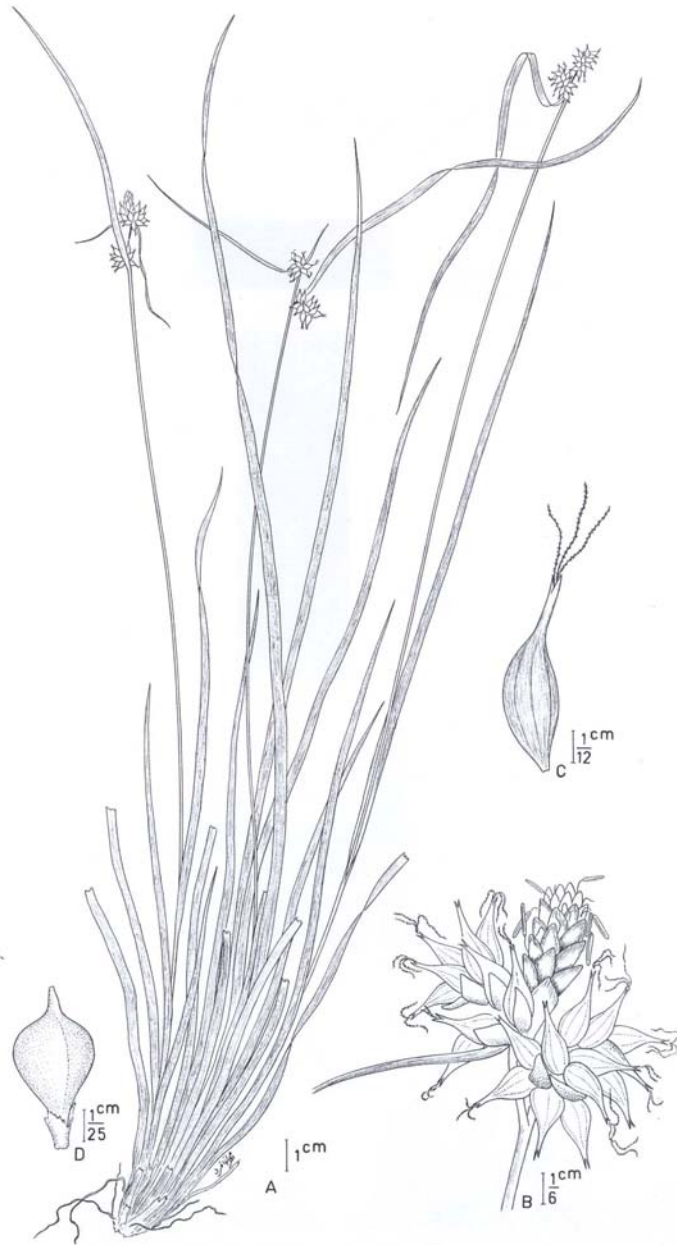
:

()



(E) (D) (C) (B) (A) :*Carex cilicica*

Fig. 2. *Carex cilicica*: Mature plant (A), Female spike (B), Glume (C), Utricle (D), Nut (E).



(D) (C) (B) (A) :*Carex flava*

Fig. 3. *Carex flava*: Mature plant (A), Inflorescence (B), Utricle (C), Nut (D).

(Koelz)

()

Carex rostrata

/

/

() ()

/

()

/ /

/ /

()

/

/

/ / / /

/ /

/

/ /

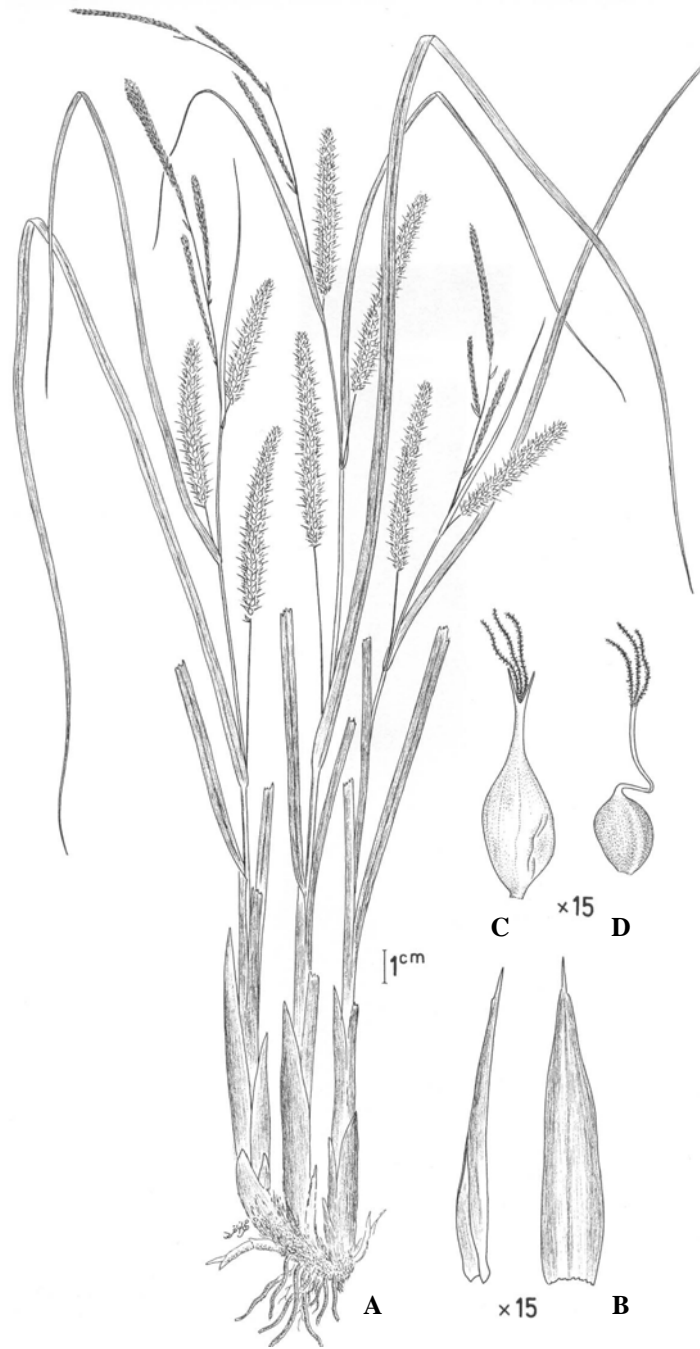
/

/

/ /

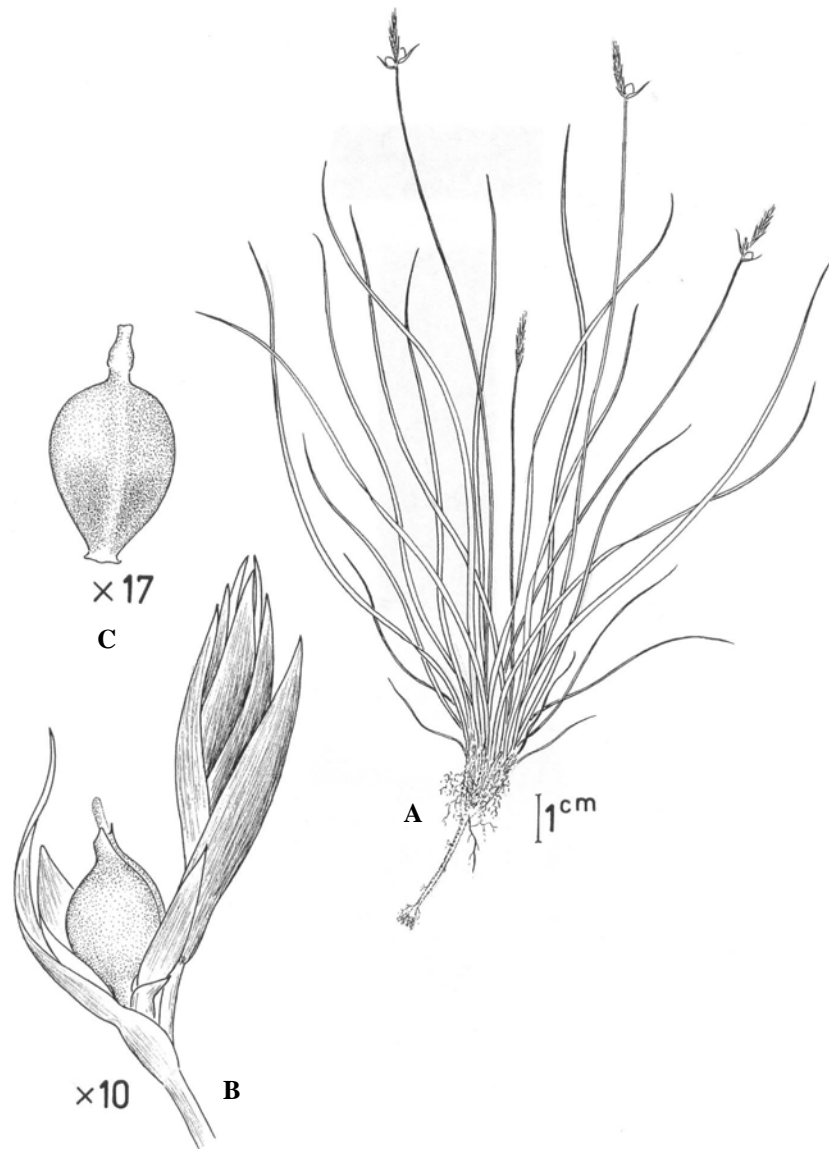
()

C. inflata auct. ()



(D) (C) (B) (A) :*Carex rostrata*

Fig. 4. *Carex rostrata*: Mature plant (A), Glume (B), Utricle (C), Nut (D).



(C) (B) (A) :*Carex supina*

Fig. 5. *Carex supina*: Mature plant (A), Inflorescence (B), Nut (C).

()
(Kukkonen 1998)

(IRAN 50607)

(IRAN 43413)

(Lamond)

NEW TAXA RECORDS OF *CAREX* FROM IRAN

M. AMINI RAD

Iranian Research Institute of Plant Protection

Received: 20.08.2006

Accepted: 09.12.2006

The genus *Carex* belongs to tribe Cariceae, subfamily Caricoideae and family Cyperaceae. This genus, with about 2000 species in the world and more than 50 species in Iran, is the largest genus among the family.

In expedition to North West and West of Iran, two species, namely, *Carex acuta* and *C. cilicica* as new records and *C. flava*, *C. rostrata* and *C. supina* as reinvestigated species are reported.

Morphological characters and geographical distribution in the world and Iran for each species are also presented.

Key words: *Carex acuta*, *C. cilicica*, *C. supine*, *C. flava*, *C. rostrata*

To observe the figures, please refer to the Persian text (pages: ۱۶۳-۱۷۵).

References

- AKHANI, H. 1998. Plant biodiversity of Golestan National Park, Iran. *Stapfia* 53: 198.
- AMINI RAD, M. 2003. Two new records of Cyperaceae family from Iran. *Iran. Journ. Bot.* 10(1): 31-34.
- AMINI RAD, M. 2005. New records and interesting species of Cyperaceae family from Iran. *Iran. Journ. Bot.* 11(1): 49-53.

- ASSADI, M. 1988. Plants of Arasbaran protected area, NW Iran (Part II). Iran. Journ. Bot. 4(1): 37-38.
- HEDGE, I.C. and LAMOND, J.M. 1970. Index of Collectors in the Edinburgh Herbarium. p. 99.
- BOISSIER, E. 1882. Flora Orientalis. Vol. 5: 395-431.
- CHATER, A.O. 1980. *Carex*. In: Tutin, T.G., Heywood, V.H., Burges, N.A., Moore, D.M., Valentine, D.H., Walters, S.M. and Webb, D.A. (eds). Flora Europaeae. Vol. 5: 290-323.
- HOOPEr, S.S. 1985. *Carex*. In: Townsend, C.C. and Guest, E. (eds). Flora of Iraq. vol. 8: 386-406.
- KUKENTHAL, G. 1936. Cyperaceae-Caricoideae, In: A. Engler (ed.), Das Pflanzenreich IV. 20, 38: 1-824.
- KUKKONEN, I. 1998. Cyperaceae. In: Rechinger, K.H. (ed.). Flora Iranica. Vol. 173: 168-293.
- MOBAYEN, S. 1975. Rostaniha-e-Iran. Vol. 1: 210-232 (in Persian).
- NAQINEZHAD, A.R. and GHAHREMAN, A. 2002. Two new records of Cyperaceae from costal flora of the Caspian sea, Iran. Iran. Journ. Bot. 9(2): 171-175.
- NILSSON, Ö. 1985. *Carex*. In: Davis, P.H. (ed.). Flora of Turkey. Cyperaceae. Vol. 9: 73-158.
- PARSA, A. 1950. Flora de l'Iran. Vol. 5: 443-486.
- REZNICEK, A.A. 1990. Evolution in sedges (*Carex*, Cyperaceae). Can. J. Bot. 68: 1409-1432.
- SHISHKIN, B.K. 1935. Cyperaceae. In: Komarov, V.L. (ed.). Flora of the USSR. Vol. 3: 8-369 (translated to English by N. Landau, 1964).

Address of the author: M. AMINI RAD, Department of Botany, Iranian Research Institute of Plant Protection, P.O. Box 1454, Tehran 19395, Iran (E-mail: aminirad2000@yahoo.co.uk).