

## A NEW RECORD OF RUBIACEAE FROM IRAN

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*Crucianella macrostachya* Boiss. is recorded from Iran. This species have been collected from Bisotun Protected Area in Kermanshah province in W. of Iran. Characteristics, exact locality, habitat, geographical distribution and the last state of nomenclature are explained.

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*Key words. Rubiaceae, Crucianella macrostachya, Bisotun, Iran, new record.*

گزارش یک گونه جدید از تیره روناس (*Rubiaceae*) از ایران

بهنام حمزه و یونس عصری

*Crucianella macrostachya* Boiss. برای اولین بار از ایران گزارش می گردد. این گونه از منطقه حفاظت شده بیستون در استان کرمانشاه در غرب ایران جمع آوری شده است. ویژگیها، محل دقیق جمع آوری، رویشگاه، پراکنش جغرافیایی و آخرین وضعیت نامگذاری گیاه توضیح داده شده است.

### Introduction

For the phytosociological studies at the Bisotun Protected Area in W. of Iran (Kermanshah province), herbarium specimens from the area were collected. After naming plants in the herbarium of Research Institute of Forests and Rangelands, *Crucianella macrostachya* is reported as a new record for the flora of Iran.

***Crucianella macrostachya*** Boiss., Diagn. ser. 1 (3): 27 (1843).

Syn.: *C. penicillata* Boiss., Diagn. ser. 1 (3): 26 (1843); *C. syriaca* Boiss., Diagn. ser. 1 (10): 58 (1849); *C. macrostachya* Boiss. var. *hispidula* Boiss. var. *brachystachya* Boiss. et var. *penicillata* (Boiss.) Boiss., Fl. Or. 3: 20-21 (1875); *C. fimbriata* Boiss. ex Malinovsky, Bull. Soc. Bot. Genève ser. 2 (2): 14 (1910).

Kermanshah: Bisotun Protected Area, Kamijeh, 1850 m, 10.6.2003, Hamzeh'ee & Asri, 86048 (TARI).

*Habitat.* NE. slope of rocky mountains in annual herb communities.

General distribution of the species: Crete, Cyprus, W. Syria, N. Iraq, SW., C. and E. of Anatolia and Iran.

*C. penicillata* and *C. macrostachya* were described by Boissier (1843) from Cappadocia and Libanon respectively. Boissier (1875), later included *C. penicillata* together with some other taxa as varieties of *C. macrostachya*. Ehrendorfer & Schönbeck-Temesy (1980) recognized *C. penicillata* as a distinct species. They characterized this species as having narrower leaves and confined to Irano-Turanian region, while *C. macrostachya* was recognized by having broader leaves (usually more than 1.5 mm), and rather distichous spikes, and a SE. Mediterranean element.

Ehrendorfer (1982) in Flora of Turkey included *C. penicillata* and several other taxa as synonymies of *C. macrostachya*. He

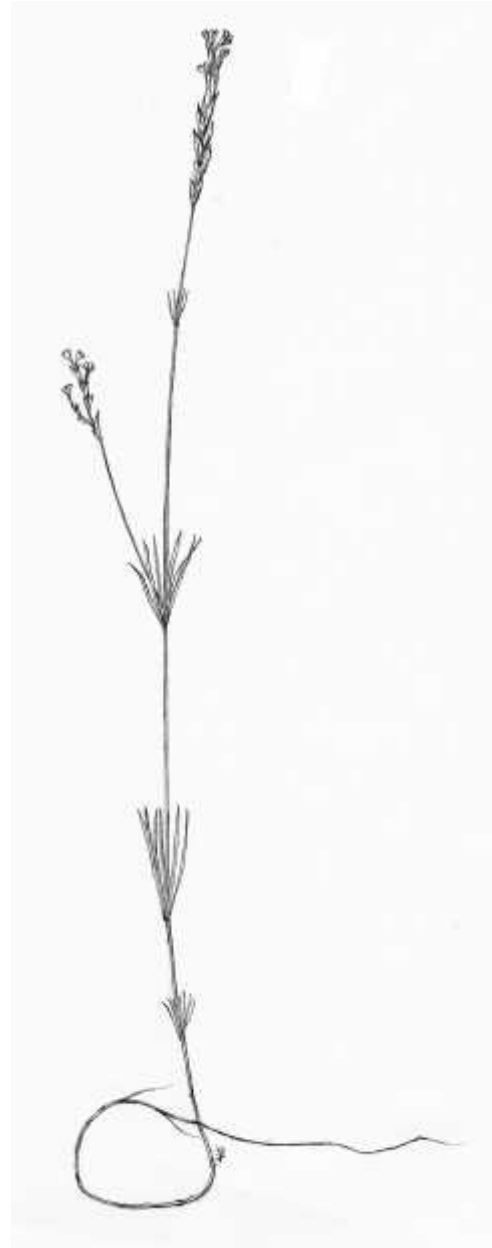


Fig. 1. *Crucianella macrostachya* (x 0.6).

mentioned variation in leaf breadth, density of spike, size and indumentum of bracts and flower from different populations of the species in SW., C. and E. of Anatolia. Even if characters of our specimen fit to the characters of *C. penicillata*, i. e., leaves narrower ca. 1 mm broad and flowers scabrous similar to the species of C. and E. of Anatolia and N. Iraq, we prefer to follow last nomenclature of Ehrendorfer (1982) and name the species as *C. macrostachya*. However, for better understanding of the taxonomic position of the complex, biosystematic studies based on the specimens from E. Mediterranean to N. Iraq and W. Iran is needed.

### **Acknowledgment**

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