A New Record *Tuberaria guttata* (L.) Fourr. Var: *Clandestina* (Cistaceae) For the Flora of Syria

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Abstract

A new species, *Tuberaria guttata* var: *clandestina* (Cistaceae) is reported for the first time for the flora of Syria. The specimens were collected from Ras Al-bassit in Lattakia province during the study flora of Lattakia in 2009.


IntrODUCTION


In this paper a news species *T. guttata* var. *clandestina* is collected and recorded for the first time for the flora of Syria.

METHODS

Plant specimens were collected from Ras Al-bassit in Lattakia province during the study Flora of Lattakia in 2009. The specimens were deposited at the national herbarium of the Department of Botany, Faculty of Sciences, University of Tripoli, Libya.

Plant specimens were examined carefully, characterized, and described, the identification of this species was done using the data from the literature [1-4].

RESULTS

*Tuberaria guttata* (L) Fourr Var. *clandestina* (Vierh.) Davis & Coode

Synonyme: *Tuberaria guttata* Forma *clandestina* (Vierh).

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Annual herb, erect, 20-30 cm long, covered with simple and stellate hairs mixed together, non-branched or branched above. Leaves simple, opposite, entire, linear-lanceolate, 1-3 cm, 3-nerved at least at the base, covered with single hairs on the upper surface and stellate hairs on the lower surface, stipules subulate-lanceolate, minute. Inflorescence terminal monochasial cymes, slender, branched or not, 5-10 cm long. Pedicle about 5 mm extending to 10 mm in fruits, much longer the sepals, at flowering erect then later become spreading or deflexed. Outer sepals 2, linear-oblong, about 2 mm long, inner sepals 3, ovate, about 4 mm, scarcely 3-nerved, sparingly hairy, petals absent, stamens many, all fertile. Ovary incompletely 3-locular, with many ovules in each locale, style...
absent, stigma sessile, semi globular. Capsule ovoid, shorter than the persistent calyx, about 3 mm long, dehiscing longitudinally by 3 valves, seeds many, leticular or trigonous, brown, about 0.5 mm in diameter (Figs 1, 2, 3 and 4).

DISCUSSION

The studied plant species were identified as T. guttata var. clandestina which characterized by absence of petals, this identification were supported by taxonomic key provided by 3 for the varieties of T. guttata recorded in Turkey.

1. Lower leaves larger than the cauline leaves, ovate-oblong, forming a definite rosette at flowering time (var. plantaginea)
2. Lower leaves smaller than the cauline leaves, not forming a persistent rosette (2)
3. Petals twice as long as sepals (var. guttata)
4. Petals not longer than sepals or absent (3)
5. Petals present (var. incospicua)
6. Petals absent (var. clandestina)

The specimens of the species under study were collected from Ras Al-Bassit mountains belonging to Lattakia province for the first time and recorded as new to the flora of Syria. Tuberaria guttata is Mediterranean and Euro-seiberian element [1, 2], Europe, North Africa, Turkey, Crete, Lebanon [3]. According to Jafri and El-Gadi [4] T. guttata var. clandestina has been recorded from Euboea, Crete and Algeria.

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CONFLICTS OF INTEREST

There is no conflict of interest.

REFERENCES