

THREE HITHER TO UNREPORTED AQUATIC SPECIES FROM RAJASTHAN

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About 314 species of aquatic angiosperms occur in the State of Rajasthan. The paper deals with 3 species which are reported for the first time from Rajasthan: *Eriocaulon minutum* Hook f. (Family Eriocaulaceae), *Exacum lawii* Clarke (Family Gentianaceae), *Rumex crispus* L. (Family Polygonaceae). The important diagnostic features are appended to the enumeration, notes on their flowering and fruiting time, ecology and distribution are also given.

Keywords: Aquatic, Flowers, Mt.Abu.

1. *Eriocaulon minutum* Hook f. in F1. Brit. India 6: 579. 1893¹; Cooke² F1. Pres. Bombay 2: 846. 1908 (Repr.ed.3 : 359.1958)

Densely-tufted, 2 to 5 cm long, annual herbs. Leaves 1-2 cm long, filiform or subulate, compressed, 3-5 veined. Peduncles many, 1-4 cm long, capillary, flexuous; ribbed, acuminate; floral bracts oblanceolate, lanceolate, acute or cuspidate. Receptacle columnar, sparsely villous. *Staminate flowers*: sepals irregularly 3-toothed, glabrous, spathaceous; stamens, 3-6; anthers black. *Pistillate flowers*: sepals 2, free, boat shaped, falcately curved, winged or keeled on the back; Stigma 3. Seeds oblong.

Flowers & Fruits: September - November.

Distribution: Fairly common in marshy places and slopes, occasionally on grassy ground. INDIA : Karnataka, Tamil Nadu, Maharashtra; Rajasthan: Mt.Abu (Present Report)

Specimen & locality : Sirohi : Mt.Abu; On wet slopes towards Honeymoon point,

Mehta 117, (JAC); Duthie 6715 (DD)

2. *Exacum lawii* Clarke in Hook³ f.F1.Brit. India 4: 98 1883.

Erect, slender, 5-10 cm tall annual herbs. *Leaves* opposite, sessile, 0.5-0.6 cm long, broadly ovate, glandular-punctate, acute or subobtusate, 3-veined. Flowers pedicellate, bluish-purple, terminal. Calyx segments 4, broadly ovate, acute, midrib strong. Capsules sub-globose or ovoid.

Flowers & Fruits : August-November.

Distribution: Commonly found on moist and damp spots, along with grasses: CEYLON; INDIA; Maharashtra; Kerela, Karnataka, Gujarat; Rajasthan; Mt.Abu.

Specimen & locality: Sirohi: Mt.Abu, on moist slop in sunset point area, Mehta 398.

3. *Rumex crispus* L.Sp. Pl 335. 1753⁴

0.5-1 m tall annuals. Stem cylindrical, hollow, angular branched; stipules ochreate, membranous. *Leaves* 6-20 cm long, lanceolate, repand, glabrous, strongly wavy, petiole 2-2.5 cm long, flat, grooved. Flowers

green, polygamous, trimerous, pedicellate, pendulous, in many whorls. Perianth 6, biseriate. Stigma fimbriate. Fruiting perianth enlarged, 0.3-0.35 cm long, ovate, cordate, tuberculate at base, entire. Nutlets 0.2 cm long, trigonous, reddish-brown, smooth.

Flowers and fruits, December-April.

Distribution:

Frequent throughout the area in moist and damp places; common along nallas around Nakki lake, Mt. Abu.

Native of Europe.

Specimen & locality : Sirohi: Mt. Abu; Kanodia 62196, Jain 62092 (BSI); Along dirty Nallah, BSJO 442 (Mehta s.n.)

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References

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