**Exacum paucisquamum** (Gentianaceae): A new record for Western Himalaya, India

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**Abstract**

*Exacum paucisquamum* (C.B. Clarke) Klack., so far known in India only from the Eastern Himalaya, is reported for the first time from Western Himalaya. A detailed description, phenology, distribution and figures have been provided.

**Keywords:** *Cotylanthera, Exacum paucisquamum, Gairsain, Mycoheterotroph, Western Himalaya*

**Introduction**

*Exacum paucisquamum* (C.B. Clarke) Klack. was known to occur in India in the state of Sikkim (Clarke, 1883) and Singalila range, Darjeeling district, West Bengal (Hara, 1975) in the moist Eastern Himalaya but the species was not reported from the drier Western Himalaya hitherto. During recent floristic explorations the authors spotted a population of *E. paucisquamum* of c. 500 individuals in Gairsain, Chamoli district, Uttarakhand, that constitutes the first record of the species from Western Himalaya. Brief description, phenology, distribution and figures are provided for easy identification.


**Fig. 1**

**Type:** Not traceable

Mycobacterotrophic herbs, 4–6 (~10) cm high. Stem white, erect, simple, fleshy. Leaves 3–6 pairs, scale like, opposite, sessile; blade c. 1.5–3 mm long, entire at margins, acute at apex. Flower solitary, terminal. Calyx 4-lobed, dull white, 3–5 mm long, triangular, obtuse at apex; mid-vein distinct. Corolla 4-lobed, dark blue–whitish, c. 1 cm long, narrowly oblong, entire at margins, obtuse at apex. Stamens 4; filaments white, 3 mm long, linear; anthers yellow, 2.5–4 mm long, sagittate, slightly curved. Style linear, 6–9 mm long. Ovary ovoid-ellipsoid, 2-celled. Capsules subglobose. Seeds numerous.

**Flowering & fruiting:** August – September.

**Habitat:** Shady moist localities of evergreen forest on decomposed litter.

**Distribution:** N. India (Sikkim, Uttarakhand, West Bengal), Hong Kong (Mo Shan), SW. China (Sichuan, Tibet, Yunnan) and NW. Vietnam (Lao Cai).

**Notes:** Recent cladistic studies combined with morphological analyses show that *Cotylanthera* is nested within the genus *Exacum* (Yuan et al., 2003, 2005). Hence, *E. paucisquamum* (C.B. Clarke) Klack. (Klackenberg, 2006) has been treated here as the accepted name.

**Specimen examined:** INDIA, Uttarakhand, Chamoli district: Gairsain, 1360 m, 16 August, 2014, Dinesh Singh Rawat 20734 (GUH).

**Acknowledgements**

Authors gratefully acknowledge the help extended by Shri Ranjeet Singh Rawat of the village Bukhali.
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Fig. 1: a, b. Habit of *Exacum paucisquamum* (C.B. Clarke) Klack.

(Gairsain) during the field study and Dr. D.S. Rawat, GBPUA&T, Pantnagar for help in identification.

Literature cited


Received: 10.12.2014
Revised and Accepted: 22.06.2015