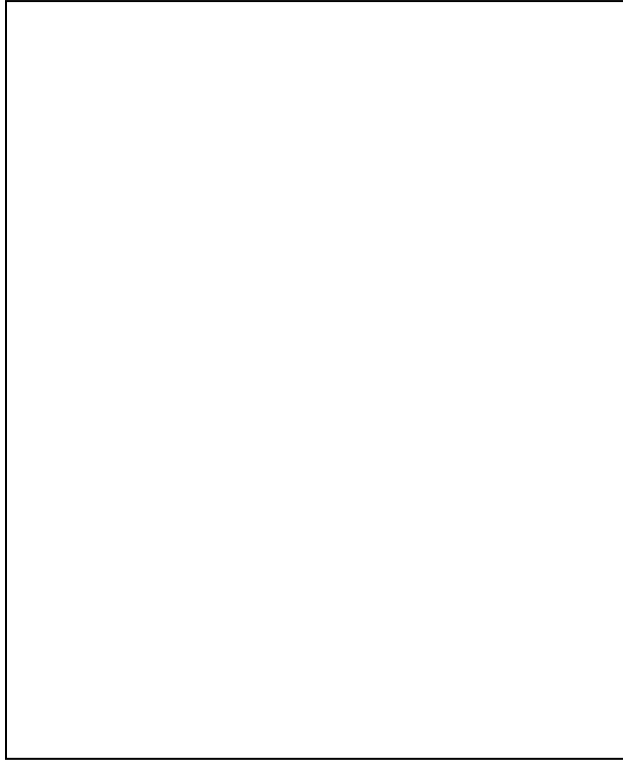


LENTIBULARIACEAE

***Utricularia minor* L.**

Description: Aquatic herbs; rhizoids absent; stolons up to 20 cm long, c 0.5 mm thick; turions c 0.2 mm across, globose, at apices of stolons and stolon branches. Foliar organs up to 1 cm long, palmately divided, polymorphic, c 0.1 mm wide in narrow segments, c 0.5 mm wide in broad segments, gland-dotted,



often setulose at margins and apices. Traps up to 1.5 mm across, obliquely ovoid, on narrow leaf segments, absent in broad ones; mouth lateral, oblique; appendages 2, subulate. Racemes 5-15 cm long, erect, c 0.6 mm thick, glabrous, 2-3-flowered; scales 1.2-2 x 1-1.5 mm, basifixed, broadly ovate-deltoid, auriculate, obtuse at apex; bracts c 2.2 x 2 mm, broadly ovate-deltoid, auriculate, obtuse at apex; bracteoles absent; flowers c 0.8 mm long; pedicels 4-10 mm long, terete, erect at anthesis, apically recurved afterwards. Calyx-lobes ovate, subequal; upper lobe 1.8-2 mm across, suborbicular, obtuse or bidentate at apex; lower 1.5-2 mm across, suborbicular, dentate at apex. Corolla yellow; upper lip c 4 x 3 mm, ovate, obtuse to truncate at apex; lower lip c 6 x 5 mm, suborbicular to ovate, raised at base, truncate at apex; spur c 1 mm long, saccate, glandular within. Stamens c 1 mm long; filaments strap-shaped, curved, dilated above; anther thecae confluent. Pistil c 1.2 mm

long; ovary globose; style distinct; stigma 2-lipped, upper lip truncate or bidentate, lower lip ovate. Capsules 2-3 mm across, globose, circumscissile. Seeds c 1 mm across, lenticular-prismatic, narrowly winged on the angles.

Fl.: August.

Habitat: Submerged floating in stagnant water; 2,500-4,300 m.

Chromosomes: $2n = 36$ (Virendra Kumar & Subramaniam, 1986).

Pollen: 14-15-colporate, 33-36 x 28-30 μ or 28-33 x 38-40 μ (Thanikaimoni, 1966); 12-14-colporate, 30 x 40 μ (Huynh, 1968); 12- or 13-colporate, 33-35 x 33-36 μ (Taylor, 1989).

Distribution: **India** - Jammu & Kashmir and Himachal Pradesh. Circumboreal, extending southwards to the Himalayas, Burma and Malesia;

Note: *Utricularia minor* L. is allied to *U. australis* R. Br. among Indian Utricularias. The polymorphic foliar organs and saccate spur of the former are quite diagnostic.

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