

fruit 3-5 mm long with nearly as long stalk, dehiscing throughout the length by two valves. Style hardly 1 mm long, stigma capitate. Seeds 10-20, chocolate brown, elliptic-obovoid, 0.7-1 mm long, 0.4-0.6 mm broad, surface with reticulated silvery thickenings.

Holotype ; Harwan, Kashmir, alt. 1,700 m ; Gurcharan Singh No. 1524. Deposited in the Herbarium of Botany Department, Kashmir University, Srinagar.

G. harwanensis

Radical leaves obovate-oblong.
Cauline leaves subspathulate
with connate bases.

Pedicels hardly 2-3 mm long,
calyx lobes oblong.

Folds between corolla lobes
bifid with two additional basal
teeth.

Stalk of capsule almost equal-
ling the capsule, capsule shortly
exserted.

G. aquatica

Radical leaves ovate.

Cauline leaves ovate or obovate.

Pedicels 4-12 mm long, calyx lobes
lanceolate.

Folds between corolla lobes bifid
usually without basal teeth.

Stalk often 3-4 times as long as the
capsule, capsule long exserted.

In its distribution *G. aquatica* is confined to alpine region usually above 3,500 m, while *G. harwanensis* grows at an altitude of 1,700 m along drains in forest.

Some authors including Kitamura (1960) transfer some of the specimens identified as *G. aquatica* in "Flora of British India" to *G. pseudoaquatica* Kusnez., in Acta Horti petrop. 13, 4: 63, 1893, but the latter species differ in smaller leaves and reflexed mucro at the apex of leaves, as also longer stalked capsules.

***Crepis dachhigamensis* Gurcharan Singh sp. nov. Fig 7.**

Species *Crepis sancta* subsimilis sed distat : folia radicalia 2-4, receptaculum nudus, achaenia rigida longioribus, bractae rigida alevato costatus, longioribus.

Planta annua, caule simplici vel parce ramosa. Folia radicalia 2-4, petiolata, lamina oblanceolata vel lanceolata, pilosa, margine dentibus paucis; caulina pauca, lanceolata, 4-10 cm longa, basiauriculus acutis. Capitulis 10-15 mm in diametro, longe pedunculatis, pedunculus subglabris;

receptaculum dudum. Involucrum 2 seriatum, bracteis externis vix 2-3 mm longis, internis 8-14 mm longis, fructificandi tempore saepe ad 18 mm, costa elevata. Flores ligulati lutei. Achaenia anguste cylindrica, versus apicem angustata, rigida, 7-10 mm longa. Pappus albus, mollis, 5-8 mm longum.

Holotypus : In dedivibus supra Harwan, Kashmir, alt. 1,900 m : Gurcharan Singh No. 623. In Herbario Departmenti Phytologiai.

Universitatis Kashmiriensis, Srinagar conservatur.

Annual herb, simple or sparsely branched. Radical leaves 2-4, oblanceolate or lanceolate, hairy, petioled, margins with few sharp teeth; cauline leaves few, lanceolate, 4-10 cm long, base with acute auricles. Heads on long almost naked branched peduncles, 10-15 mm across, ligulate. Involucre bracts 2 seriate, outer hardly 2-3 mm long, inner linear, 8-14 mm long, elongating in fruiting to often 18 mm, midrib prominent and raised, receptacle naked. Achenes narrowly cylindrical, narrowed above, rigid, 7-10 mm long. Pappus soft, white, 5-8 mm long, hairs simple. Ligules yellow.

Holotype: Slopes above Harwan, Kashmir, alt. 1,900 m: Gurcharan Singh No. 623. Deposited in the Herbarium of Botany Department, Kashmir University, Srinagar.

Crepis dachhigamensis in its annual habit, linear elongate achenes and naked branches of peduncle is closer to *C. sancta* L., but can be easily separated from this in few less cut radical leaves, presence of distinct cauline leaves, naked receptacle, stouter longer achenes and rigid longer involucre bracts.

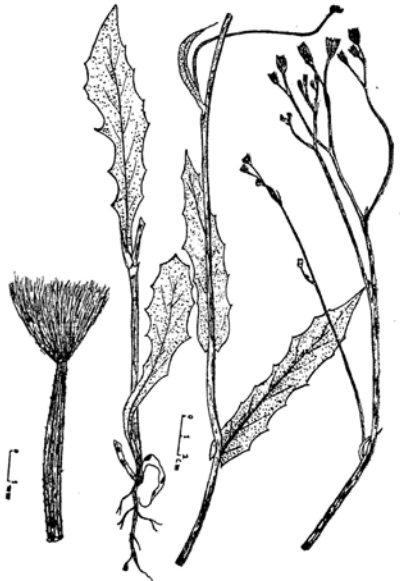


Fig. 7. *Crepis dachhigamensis* Singh