

mm long, excluded (included in corolla tube in protandrous flowers); style simple, 14.0-16.0 mm long, glandular hairy; stigma capitate; ovary 25.0-32.0 mm long; disc 1.0-1.5 × 1.5-2.5 mm; glabrous, annular. Capsules 25.0-30.0 × 0.25-0.35 cm, linear, tapering at both the ends. Seeds numerous, small, ca 0.75 mm long with 2 long white hairs near the hilum and one at the apex.

Fls. & Fruits : September-November.

Ecology Occasional epiphytic on *Ficus* tree trunk in shady moist, damp places along sea shore.

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TRIGONELLA UPENDRAE H. CHOWDHERY ET R. R. RAO, SP. NOV. (FABACEAE) —A NEW SPECIES OF TRIGONELLA FROM HIMACHAL PRADESH, INDIA

During a routine scrutiny of the herbarium specimens housed at BSD, Dehra Dun, the authors came across an interesting specimen of *Trigonella* wrongly identified as *T. foenum-graceum* L. A critical study of the specimen revealed it to be a new species, closely allied to *T. corniculata* L. and is described here.

Trigonella upendrae Chowdhery et R. R. Rao, *sp. nov.* (Figs. A-G).

T. corniculata proxime affinis, sed facile distinguenda habitu erectis, parce ramosis, petiolis foliolis brevioribus, dentibus calycis tubis longioribus, alis carinam aequantibus.

Herbae erectae, parce ramosae, caulis glaber. Foliola minute dentata, obovato-cuneata, ~~glabra~~. Petioli foliolis breviores. Stipulae lanceolatae, basi auriculatae, profunde dentatae, incisae, caulem cingentes. Flores flayi, 12 vel plures in racemo condense, pedunculi apice aristati. Corolla calyce duplo longior.

Holotypus lectus—K. P. Janardhanan Subnumero 47716 A ad locum Pangi Village,

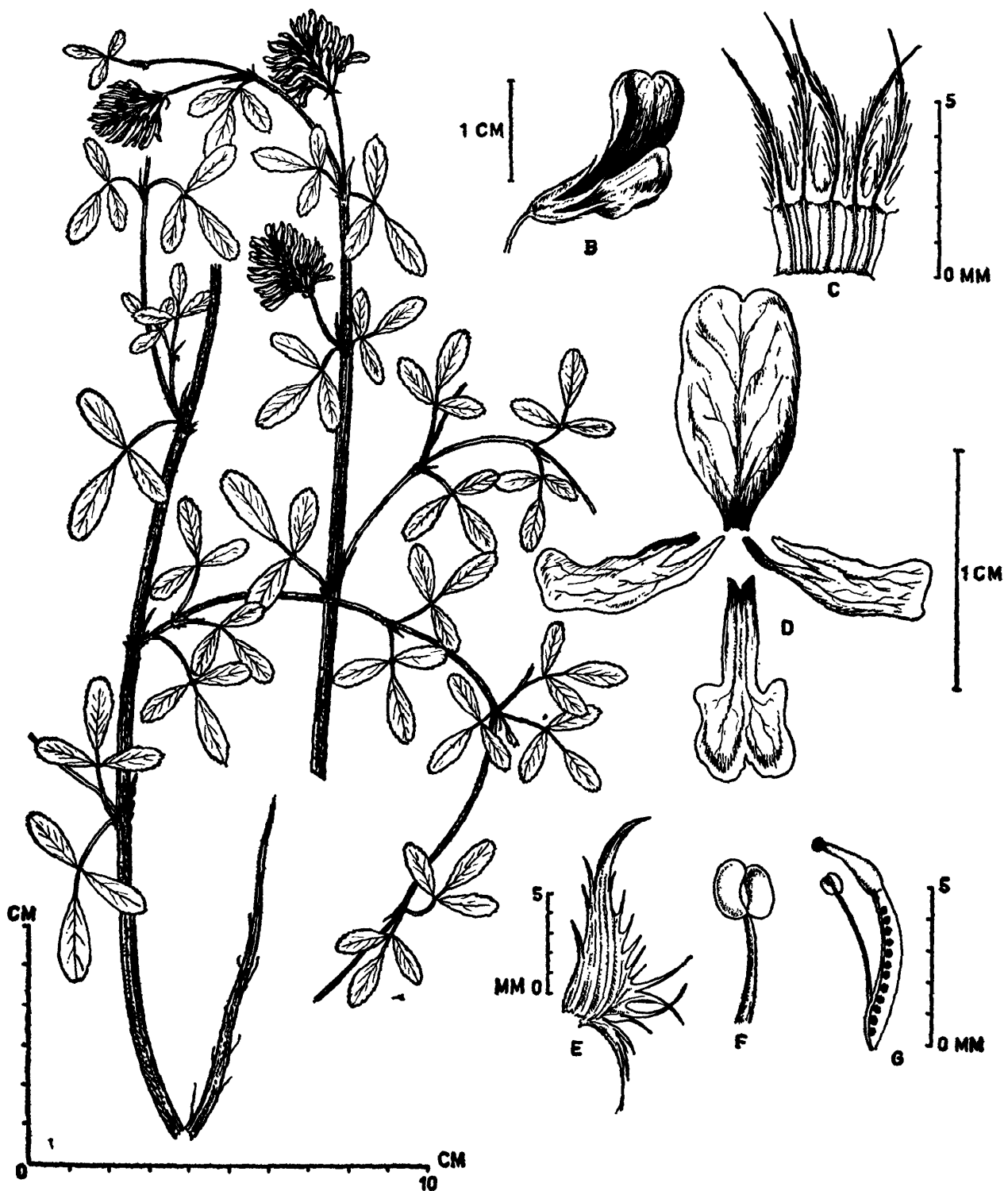
Kinnaur district, Himachal Pradesh, India et positus in CAL. *Isotypus* 47716 B et C positus in BSD.

Trigonella upendrae Chowdhery et R. R. Rao, *sp. nov.* (Figs. A-G).

Erect, sparingly branched, glabrous herbs, 40-60 cm tall. Stem 2-3 mm thick, smooth. Leaves stipulate, pinnately trifoliate, petiole shorter than the leaflets. Leaflets 2-2.5 × 5-11 mm, minutely dentate in the upper portion of the leaflet, obovate-cuneate, glabrous. Stipules lanceolate, deeply toothed, incised, points setaceous, 8-11 mm long, auricled at the base, encircling the stem. Flowers 12 (15-30) in condensed racemes, yellow. Peduncles far exceeding the leaves, 2.5-3.5 cm long, awned at the tip. Calyx 5-7 mm long, teeth longer than the tube. Corolla twice as long as the calyx, wings equal to the keel. Stamens diadelphous. Ovary sessile, many-ovuled. Fruits not seen.

Flowers : June.

Ecology : Herbs, growing in moist places along the banks & streams.



Trigonella upendrae Chowdhery et Rao sp. nov.

Figs.A-G: A. Habit. B. Flower. C. Calyx. D. Corolla. E. Stipule.
F. Stamen. G. Ovary.

Specimen examined : *Holotype*—India—Himachal Pradesh, Pangi village near P.W.D. rest house, Kinnaur district. K. P. Janardhanan, 47716 A (CAL); *Isotypes* 47716 B & C (BSD).

Note : Several attempts to recollect this plant from the type locality proved in vain.

The species is named after Dr. Upendra Chandra Bhattacharyya, who has extensively botanised in this region.

Trigonella corniculata L.

1. Diffuse, suberect, much branched.
2. Stipule deeply toothed, not auricled.
3. Petiole as long as or exceeding leaflets.
4. Leaflets faintly incise-dentate.
5. Calyx teeth shorter than the tube.
6. Wings shorter than the keel.

Trigonella upendrae sp. nov.

- Erect, sparingly branched.
 Stipule deeply incised, auricled at base.
 Petioles shorter than leaflets.
 Leaflets minutely dentate in the terminal portion.
 Calyx teeth longer than the tube.
 Wings and keel equal in size.

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A NEW SPECIES OF *AMMANNIA* L. (LYTHRACEAE) FROM INDIA

Ammannia nagpurensis T. Mathew *et* Nayar,
sp. nov. (Fig. 1).

Affinis *A. multiflorae* Roxb. sed caulibus parce ramosis, pedunculis longioribus (ad 15 mm longis), calicis lobis subrotundatis, apicem mucronatis, floribus fructibusque laxibus, antheris plano insertionis petalorum aequis differt.

Typus : India, Maharashtra, Nagpur Dt., Jalankeri farm, 283 m, 20.11.1957, *Subramanyam* 4717 (Holo : CAL ; Iso : MH).

Annual, glabrous herbs. *Stems* up to 30 cm long, erect, sparsely branched, usually with one or two basal branches, four-winged. *Leaves* simple, opposite decussate, 3.15 × 0.5-3.0 mm, linear-oblong with auriculate-cordate base, acute at apex, entire, glabrous, membranous, semi-amplexicaulous. *Flowers* in

axillary simple or compound pedunculate cymes ; peduncles filiform ; primary peduncles 8-15 mm long ; secondary peduncles up to 7 mm long ; (1-)3-7(-15) flowers per cyme ; pedicel 1.5-2 mm long ; bracteoles 2, at the base of pedicel. *Calyx tube* campanulate, ca 1 mm long, lobes 4, subrotundate, mucronate. *Petals* 4, 0.5-1 mm long, obovate, inserted at the rim of calyx tube, pink, caducous. *Stamens* 4, inserted on the middle of calyx tube, filaments 0.5-0.6 mm long, anthers borne level with the base of petals. *Ovary* 0.75-1 mm long, globose, wall membranous, 2-loculed, many ovules in each locule ; style distinct, 0.75-1 mm long, persistent in fruits ; stigma capitate. *Capsules* up to 2 mm across, globose, exserted, opening irregularly. *Seeds* many, minute, 0.35 × 0.25 mm, ovoid, brown.