

# LYSIONOTUS PALINENSIS — A NEW SPECIES OF GESNERIACEAE FROM ARUNACHAL PRADESH, INDIA<sup>1</sup>

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(With one text-figure)

**Key words:** *Lysionotus palinensis*, new species, Arunachal Pradesh.

During plant exploration in the district of Lower Subansiri, Arunachal Pradesh, an interesting species of the genus *Lysionotus* D. Don was collected. A critical study, based on the regional herbarium specimens of allied species and literature on species of *Lysionotus* D. Don, has proved it to be quite distinct from all known species and is described. Line drawings are provided.

***Lysionotus palinensis*** G.D. Pal sp. nov.  
(Figs. : A-D)

*Lysionotus serrato* D. Don affinis, sed differt foliis lanceolatis ad lineari-lanceolatis, ad marginum spinulosis crenato-serratis coriaceis, pedunculis 3-7 cm longis, calicis lobis lanceolatis, 0.9-1.0 x 0.1-0.2 cm, cuspidato-acuminatis, 4-6 nervatis.

**Typus:** Holotypus lectus a G.D. Pal ad locum Arunachal, Inferior Subansiri district, Palin c. 1400 m, dia 9.ix.1983, subnumero 400, ex positus in CAL.

Shrubby herbs, 30-40 cm tall, usually unbranched, rooting at the lower nodes. Stems terete or faintly ridged, pubescent above. Leaves ternate, sometimes basal leaves opposite, lanceolate to narrowly lanceolate, 3-7 x 0.5-2.0 cm, cuneate or rounded at base, acuminate, spinulous crenate-serrate at margin, glabrous, coriaceous; young leaves hairy on nerves underneath, pale green underneath; lateral nerves 4-6 pairs; petioles 0.2-0.3 cm long, hairy. Inflorescence laxly cymose many flowered; peduncles 3-7 cm long, terete, wiry, glabrous or sparsely pubescent; bracts ovate-lanceolate, 0.5-0.6 x 0.3-0.35 cm, acuminate, 3-nerved; pedicels 0.5-1.0 cm long, wiry, glabrous. Flowers bluish-purple; calyx lobes lanceolate, 0.9-1.0 x 0.1-0.2

cm, caudate-acuminate, 4-6 nerved, purple; corolla tubular, broad at middle, 4.0-4.5 x 0.8-1.0 cm, distinctly nerved within, reticulate at throat; upper lip 0.8 cm longer than lower lip, 3-lobed; middle lobes oblong to sub orbicular, about 0.8 x 0.6 cm, obtuse; lower lip shorter, truncate; stamens 2, fertile; filaments 0.8-1.0 cm long, flattened; anthers connivent; ovary oblong, 0.2 cm long; styles slender, 2.0-2.3 cm long, unevenly thickened. Capsules not seen.

**Fl.:** August-September.

**Remarks:** Grows in moist shaded places of subtropical primary forests on humus rich soil associated with *Impatiens*, *Begonia* spp.

**Distribution:** INDIA: Arunachal Pradesh, Lower Subansiri dist., Palin c. 1400 m, 9.ix.1983; G.D. Pal 400 (Holotype- CAL)

**Note:** The new species is closely allied to *L. serratus* D. Don, but can be differentiated by: leaves lanceolate to linear-lanceolate; spinulous crenate-serrate at margin, coriaceous; peduncles 3-7 cm long; calyx-lobes lanceolate, 0.9-1.0 x 0.1-0.2 cm, cuspidate-acuminate, 4-6 nerved.

## ACKNOWLEDGEMENTS

I am grateful to the Director, Botanical Survey of India, Calcutta for facilities. I also thank Dr N.C. Majumder, ex Scientist SE, Botanical Survey of India, Calcutta for the latin diagnosis of the taxon and Dr G.S. Giri, Scientist SE, Central National Herbarium, Howrah for sketches.

<sup>1</sup> Accepted December, 1998.

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Fig1. A-D: *Lysionotus palinensis* sp. nov., A. Habit; B. Corolla split open; C. Anther; D. Gynaecium with calyx.





Pal, G D. 2000. "Lysionotus Palinensis: a new Species of Gesneriaceae from Arunachal Pradesh, India." *The journal of the Bombay Natural History Society* 97, 131–132.

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