

Arachniodes amabilis (Blume) comb. nov.

(Basionym: *Aspidium amabile* Blume in Enum. Pl. Jav. 165, 1828. Synonyms: *Polystichum amabile* J. Sm., *Dryopteris amabilis* Ktze., *Rumohra amabilis* Ching, *Byrsopteris amabilis* Morton).

Arachniodes conifolia (Moore) comb. nov.

(Basionym: *Aspidium conifolium* Wall. ex Kunze in Linnaea 24: 293, 1851, non Presl, 1822; *Lastrea conifolia* Moore in Index Fil. 88, 1857. Synonyms: *Rumohra wallichii* Ching, *Polystichum himalayense* Ching ex C. Chr.).

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NEW AND LITTLE KNOWN TAXA FROM ANAIMUDI AND SURROUNDING REGIONS,
DEVICOLAM, KERALA—I: A NEW VARIETY OF *LEUCAS VESTITA* BENTH.

Leucas vestita Benth. var. **devicolamensis** Shetty et Vivek. var. nov.

Differt a var. *vestita* capillis longis mollibus per totam plantam dispersis, foliis ovatis vel late ovatis ad basin cordatis vel rotundis.

Subfrutices, 30 cm-1 m, pallide fulvo-villosi, capillis densis patentibus; caules et rami quadrangulares, sulcati, quarta parte inferiore caulis et ramorum prostrata et radicante. Folia 1.5-7 × 1.5-3 cm, simplicia, opposita, decussata, villosa in utraque pagina, ovata vel late ovata, serrata, obtusa, rotunda vel cordata ad basin; nervis lateralibus 4-7-jugis; petiolis 0.3-1.6 cm, villosis. Inflorescentia terminalis, verticillata, verticillis vulgo singulis, rarius binis, floribus plurimis; bracteis calyci subaequilongis, linearibus, dense ciliatis. Calyx sub flore ± 0.9 cm longus, sub fructu ± 1.2 cm; tubo lato supra, angusto infra, eminenter nervoso, dimidio superiore faciei externae et fauce villosis, fauce recta; dentes 10, breves, villis oris breviores. Corolla ampla, ± 1.5 cm, bilabiata, tubo incluso, annulato infra medium, pilis crassis lineariter dispersis ornato supra annulum; labium superius erectum, concavum, dense barbatum pilis rufo-brunneis; labium inferius album, patens, 3-lobum, lobo medio magno, emarginato, marginibus irregularibus. Stamina didynama, superiora breviora; parte inferiore filamentorum pilis gracilibus ornata. Discus 4-lobus. Ovarium 4-partitum; stylo gracili, ad apicem subulato, lobo superiore minuto. Nucel-

lae 0.2-0.3 cm longae, obovatae, triquetrae, brunneonigrae vel nigrae, leves, nitentes.

Holotypus, Shetty & Vivekananthan 28372 A et isotypi, Shetty & Vivekananthan 28372 B-S lecti in Upper Vagavurrai, Devicolam, Kottayam Dist. in ditione Kerala in India meridionali die 11.8.1967; paratypi, Shetty & Vivekananthan 26441 A-G lecti eodem loco 16.11.1965. Holotypus positus in CAL; isotypi et paratypi in MH.

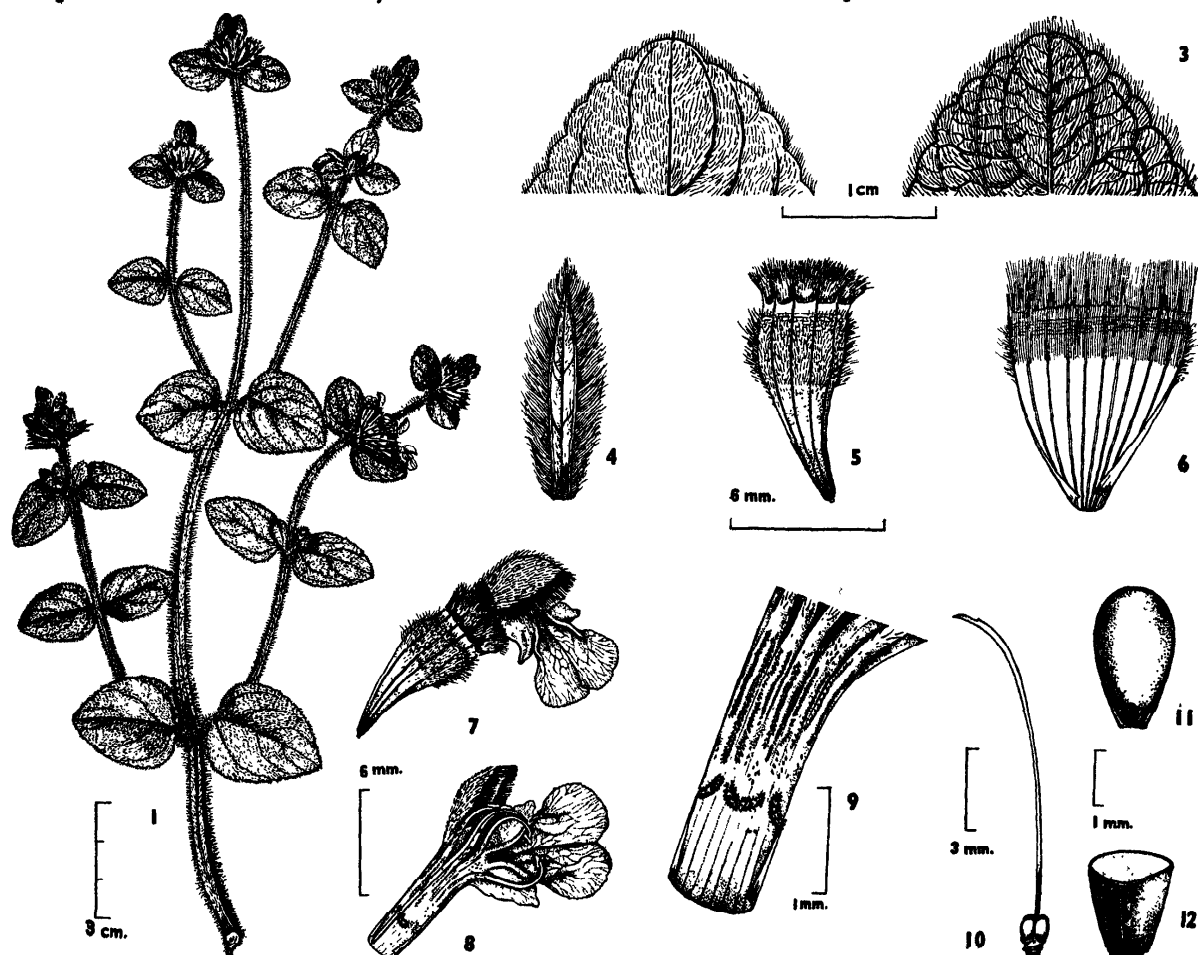
Leucas vestita Benth. var. **devicolamensis** Shetty & Vivek. var. nov.

Differs from var. *vestita* in having long, soft hairs all over the plant and leaves ovate to broadly ovate with rounded or cordate base.

Bushy undershrubs, 30 cm-1 m, pale tawny villous with dense spreading hairs; stems and branches 4-angled, grooved, about one-fourth of the lower portion of stems and branches prostrate and rooting. Leaves 1.5-7 × 1.5-3 cm, simple, opposite, decussate, villous on both surfaces, ovate to broadly ovate, serrate, obtuse, base rounded or cordate; lateral nerves 4-7 pairs; petioles 0.3-1.6 cm, villous. Inflorescence in terminal whorls, whorls usually solitary, rarely two, dense with many flowers; bracts more or less as long as calyx, linear, densely ciliate. Flowering calyx ± 0.9 cm long, fruiting calyx ± 1.2 cm long; tube broad above and narrow below, prominently nerved, upper half of the outer side of the tube and throat villous, mouth straight; teeth 10, short, shorter than the villi of

the mouth. Corolla large, ± 1.5 cm, bilabiate; tube included, annulate below the middle with linearly scattered thick hairs above the annulus; upper lip erect, concave, densely bearded with

rufous-brown hairs; lower lip white, spreading, 3-lobed, the middle lobe large, emarginate, margins irregular. Stamens didynamous, the upper pair shorter; lower portion of filaments with slender



Leucus vestita Benth. var. *devicolamensis* Shetty & Vivek. var. nov.

Figs. 1-12 : 1. Flowering branch. 2. Portion of leaf showing upper surface. 3. Portion of leaf showing lower surface. 4. Bract. 5. Calyx. 6. Calyx split open to show long hairs at the mouth. 7. Flower. 8. Corolla split open. 9. Corolla tube split open. 10. Pistil. 11. Nutlet. 12. Nutlet cut across.

hairs. Disc 4-lobed. Ovary 4-partite; style slender, subulate at the apex, the upper lobe minute. Nutlets 0.2-0.3 cm long, obovoid, triquetrous, brownish black or black, smooth, shining.

The holotype *Shetty & Vivekananthan* 28372 A and the isotypes *Shetty & Vivekananthan* 28372 B-S were collected from Upper Vagavurrai, Devicolam, Kottayam District, Kelara, South India on 11-8-1967 and the paratypes *Shetty & Vivekananthan* 26441 A-G were collected from the same locality on 16-11-1965. The holotype has been deposited in the Central National Herbarium, Calcutta (CAL); the isotypes and paratypes have been deposited in the

Regional Herbarium, Botanical Survey of India, Coimbatore (MH).

ACKNOWLEDGEMENTS

The authors wish to express their grateful thanks to the Director, Royal Botanic Gardens, Kew for his valuable opinion on the specimen, to Rev. Father Dr. H. Santapau, S.J., F.N.I., for rendering the description into Latin and to late Dr. K. M. Sebastine, Botanical Survey of India, Coimbatore for his encouragement.

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